### Apple Lisa Computer Technical Information



# Apple Lisa Computer: ProFile HD Communications Protocol

Lisa Computer: 1983 - 1985

Printed by: Macintosh Picture Printer 0.0.5 1999-01-11

Apple Lisa Computer Technical Information

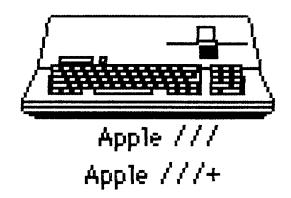
Printed: 1999-02-23 16:37:00

Page 0000 of 0057

### Apple Computer, Inc. Service Engineering Department



# Apple /// Computer Repair Document



COMPONENT NAME

Profile Hard Disk

DOCUMENT TITLE

ProFile Sales Kit: ProFile Technical Review

Author: Apple

DAVID T. CRAIG 736 EDGEWATER, WICHITA, KANSAS 67230 [USA] ProFile Sales Kit

Apple III

### ProFile Technical Review

This section of the ProFile Sales Kit will give you an overview of the technical details of the ProFile Personal Mass Storage System for the Apple ///. It is intended to be a summary only, and is not a detailed explanation of the engineering aspects of the ProFile. This information is presented to give you a better understanding of the quality, reliability, and performance that Apple has built into ProFile, and to prepare you to answer technical questions raised by your customers. Additional information regarding the ProFile can be found in "Section D" of this Sales Kit.

### What is ProFile?

Profile is a Winchester technology hard disk drive designed to operate with the Apple /// personal computer. It has a formatted storage capacity of 5 Megabytes, which is essentially the same as 35 floppy disks (the Apple /// disk drive uses floppies that have a capacity of 140K Bytes). The Profile will, as you can see, enable you to store large amounts of data on a single device. You are also able to store files that are larger than the 140K floppies that you usually use. In addition, you are able to access your data much faster with the Profile than with the Disk ///.

The ProFile physically consists of three main assemblies. They are the ProFile drive, the Apple /// interface card, and the interconnect cable. The ProFile has its own power supply, and as such does not rely on the Apple /// for operating power. Functionally, the ProFile consists of five major modules:

- 1. The Controller Card
- 2. The Power Supply
- 3. The Analog Card
- 4. The Head Disk Assembly (HDA) with motor control board
- 5. The Interface Card

The following sections describe the function of these modules in detail.

### The Contoller Card

Functionally, the controller provides communcations with the Apple ///, provides signals to read and write serial data on the disk, moves the heads to the proper track, and monitors error conditions. The controller consists of a Z8 microprocessor, 2K bytes of RAM, error detection logic, and read/write control logic.

The Z8 provides an intelligent interface to the Apple ///. High level commands, such as read, write, and status, are passed to the Z8 through the RAM. The Z8 executes the command and passes the result of the operation back to the Apple /// through the RAM.

The controller also interfaces to the analog card to pass head control information to it. In this way the controller determines when read/write operations will take place. The Z8 controls the stepper motor to move the heads from track to track (called "seeking"), selects one of four read/write heads, and writes sector marks on the disk during formatting.

Read /Write functions are performed by the read/write logic on command from the Z8. This logic in turn controls the parallel to serial data conversion when writing, and the serial to parallel data conversion when reading. To ensure the proper transfer of data, the controller does a CRC (cyclic redundancy check) of the serial data. If an error occurs, the Z8 will automatically perform an error recovery routine and try to relocate the data onto a different section of the disk. The sector causing problems will be removed from use to prevent future errors.

To prevent heat build-up in the drive, the Z8 removes power from the stepper motor if no commands have been received for 0.75 seconds. After 3 seconds, the head is moved to a non data area of the disk to prevent accidental damage to data if a failure (such as power loss) occurs. The READY light on the front of the ProFile is lit whenever the controller is idle (not busy).

### Power Supply

The power supply provides the +5VDC, +12VDC, and -12VDC needed by the ProFile for operation. The supply also contains monitoring circuitry to detect a power failure. Once a failure is detected, the head current is shut off to prevent the accidental writing of false data that would otherwise occur if a write operation were in process when the power failed. The power supply is completely shielded to eliminate the effects of electro magnetic radiation.

### Analog Card

The analog card serves as the interface between the controller and the Head Disk Assembly (HDA). It consists of a data encoder, a data decoder, write driver, head select logic, automatic gain control (AGC) preamplifier, read detector, phase lock loop (PLL), and sector detector.

The head select matrix selects one of the four heads for a read or write operation. The ProFile has two fixed disks in its HDA, and there are two heads for each disk (one for each side, since the disks are double sided). Thus you have a choice of four heads, depending on which section of the disk you are trying to access. It is not necessary for you to know which section of the disk you are trying to access; the controller

and the analog board take care of that for you.

During a write operation, the serial data is encoded using a technique known as MFM. It is not important that you know what this is, just that it allows the maximum data storage with low formatting overhead. In otherwords, it lets you get a lot of data in a small amount of space.

During a read operation, the AGC circuit amplifies the low level head signal (.6 to 2.0 mv) to a fixed signal level (1.0 volt). The read detector simply shapes the signal so that it appears in a standard fashion. The PLL and data decoder then convert this signal back into serial data, which is passed to the controller, which in turn converts it to parallel data and passes it to the Apple ///.

When the disk is initially formatted, the sector boundaries are written to the disk (this is done by removing all read signals from certain sections of the media). During the read operation, the sector detector looks for these areas of no read signal, and signals the controller that a sector boundary has been found.

### Head Disk Assembly (HDA)

The Profile HDA is a random access storage device with two non-removable 5 1/4 inch discs as storage media. Each disk surface employs one movable head to service 153 data tracks. The total formatted capacity of the four heads and surfaces is 5 Megabytes (16 sectors per track, 532 bytes per sector, 612 tracks).

High reliability is achieved through the use of a band actuator and open loop stepper head positioning mechanism. The read/write heads are mounted on a ball bearing supported carriage which is positioned by the band actuator connected to the stepper motor shaft. The inherent simplicity of the mechanical design and electronic control allows maintenance free operation for the life of the drive (designed for over 10,000 hours MTBF). All PCB's are mounted outside the HDA for easy serviceability.

Mechanical and contamination protection for the heads, actuator, and discs are provided by an impact resistant aluminum enclosure. A self contained recirculating system supplies clean air through a 0.3 micron filter. a special spindle pump assures adequate air flow and uniform temperature distribution throughout the head and disk area. Thermal isolation of the stepper and spindle motor assemblies from the disc enclosure provides significantly greater "off track" margin (temperature changes are less likely to cause read errors). Additionally, read and write operations can be performed immediately after power on without waiting for thermal stabilization.

A brushless DC drive motor rotates the spindle at 3600 RPM. The spindle is driven directly with no belt or pulley. The motor and spindle are dynamically balanced to insure a low vibration level. A brake is used to provide a fast stop to the spindle motor when power is removed.

The recording media consists of a lubricated thin magnetic oxide coating on a 130 mm diameter aluminum substrate. This coating formulation, together with the low load force, low mass Winchester type "flying heads", permits reliable contact start/stop operation.

### Interface Card

The Apple /// interface card serves primarily to buffer the data and decoded control lines of the Apple /// for transmission to the ProFile controller card. The interface card may be plugged into any of the four Apple /// expansion slots. Eight bi-directional data lines and five control lines are connected to the ProFile controller card with a 25-conductor cable. Each signal is buffered by an RC network fo EMI/RFI suppression. Bytes may be transferred either one at a time or by DMA at 1 Megabyte per second.

Apple III

### ProFile - The Reliability Story

With thousands of ProFiles already installed, we have been asked to explain what Apple has done to make the ProFile so reliable. This is how we do it:

Design Simplicity:

Experience shows that the fewer parts there are, the less that can go wrong. ProFile was designed to work in harmony with the personal computer, resulting in fewer electronic and mechanical parts than any comparable Winchester design. There are fewer things that can go wrong with ProFile.

ProFile is designed to prevent problems:

Throughout the design process, the question was asked: "What can go wrong?" The answers were taken into account as the design proceeded. For instance, ProFile moves the heads to a "parking position" off the data zone after three seconds of no activity. This prevents the loss of data if, for instance, the ProFile is dropped or jarred. ProFile constantly checks for errors during operation. After any change in tracks, ProFile verifies that the operation has been performed correctly. ProFile also checks that the heads are positioned accurately on a track before any read or write operation is performed. Unless the system requests that the ProFile do otherwise, data is always verified after a write operation. In all these cases, ProFile will correct the problem so that no errors occur.

Many types of systems are prone to failures when the power is turned on or off. The ProFile power supply is designed to sense a power failure well before the internal DC voltages drop. This allows the intelligent controller in ProFile to prevent any data loss if the power fails or is turned off accidentally. The system will not begin any operation until the power is on for at least one second.

Superior System Margins:

For the user, a system with greater operating margins results in superior reliability. Profile will operate correctly and handle data correctly under adverse environmental and mechanical conditions. For example, the packaging of Profile enables it to withstand a one inch (2.5 cm) drop while operating, or a three inch (7.6 cm) angled drop while not operating. The HDA (head disk assembly) can be operated from 10°C to 60°C. This wide operating range, combined with a 75% efficient switching power supply allows Profile to operate from 10 to 40°C in still air without a fan!

High speed, low noise ECL (emitter coupled logic) provides wide margins for the analog electronics section of ProFile. Motor speed is kept accurate within 4%. Automatic gain control combined with a unique "gated detector" can compensate for off track operation up to 20%. Data can be read correctly with up to 50% signal degradation.

ProFile can Detect and Even Correct Problems:

The intelligent controller which is built into ProFile is continually checking the operation of the disk. In addition to the "problem prevention" functions already described, ProFile performs additional operations to assure that the user will never see a problem. These operations start the moment ProFile is turned on. After power-up, ProFile does a scan of the entire disk surface, and checks for any errors. Upon any data error, an extensive analysis of the error is performed to determine whether a media error exists. If that is the case, the data will be moved to a spare sector of the disk. That part of the disk with a media error will no longer be used. In most cases, the data recovery routines in ProFile will be able to extract the data even from a bad sector. The recovery operation includes more than 300 retries under various conditions. Maps of the bad sectors are redundantly recorded on ProFile so that an error in the map will not cause a problem in operation.

ProFile is Designed for Performance:

Data can be transferred from the ProFile to the system at up to one Mbyte per second DMA rate. Data is interleaved at a 5:1 ratio, which allows three 512 byte sectors to be transferred on each rotation. MFM encoding allows the maximum data storage capacity with low formatting overhead.

ProFile has been Exhaustively Tested in Design and Manufacturing.

During product development, over 200,000 hours of testing were logged. Over forty systems were customer tested for three months before volume production began. Each ProFile is tested for 184 hours prior to shipment, 60 of which are at 60°C. This commitment to quality ensures a 10,000 hour MTBF with typical performance of over 24000 hours MTBF. ProFile is truly the most reliable product of its type.

### PROFILE:

### APPLE'S 5 MEGABYTE PERSONAL MASS STORAGE SYSTEM for the APPLE ///

### FEATURES:

- 1. ProFile has 5 Megabytes of storage capacity
- 2. Less than 44 cents per 1000 bytes
- 3. ProFile accesses data 10 times faster than the conventional floppy disk drive.
- 4. ProFile's intelligent controller automatically scans for error conditions and relocates marginal data blocks elsewhere on the disk, if necessary.
- 5. ProFile has a flexible backup scheme using the Backup /// Utility.
- 6. ProFile is fully supported by Apple ///s Sophisticated Operating System.
- 7. Many different application programs can be stored on ProFile. Using Catalyst software from Quark Engineering, various software programs stored on ProFile, can be selected and then loaded from the hard disk without re-booting floppy diskettes when you want to go from one program to another.
- 8. ProFile is compact, lightweight, 8. ProFile is usable in any work styled like the Apple /// and Monitor ///, simple to install, and extremely quiet.

### BENEFITS:

- 1. Simplifies large data processing and programming tasks.
- 2. Provides cost-effective data storage.
- 3. Increases productivity.
- 4. Assures data integrity.
- 5. Assures data security.
- 6. Apple /// software utilizes ProFile without requiring any changes. Different types of programs can often use the same data base.
- 7. Saves time normally lost when booting up numerous floppies. Reduces media wear because programs are booted directly from the ProFile.
- environment.

### MARKETS AND APPLICATIONS

Profile is an ideal tool for ....

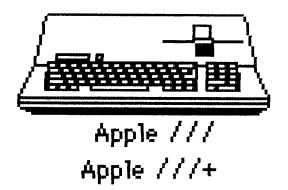
- \* Financial Planners: who can make better decisions, because ProFile lets them draw on a greater data base in generating answers to questions about pricing, market share, profits, etc. In addition, all financial modeling files created with programs such as VisiCalc can be stored in one place allowing the planner to switch quickly from one file to another.
- \* Software Developers: ProFile lets developers keep all successive versions of programs on the same disk, thus making development time less tedious and time-consuming.
- \* Graphics Designers: Thanks to ProFile's fast access time, plots, charts, and finished graphics can be displayed many times faster than with conventional diskettes. ProFile also makes it possible to create highly sophisticated graphics programs that require large amounts of storage space.
- \* <u>Professionals:</u> ProFile lets doctors, dentists, lawyers, consultants, and other professionals store large client record files all in one place.
- \* Managers in small to medium size businesses: Profile has the storage capacity to hold many letters, memos, reports, and other documents in a single place.

The End

### Apple Computer, Inc. Service Engineering Department



# Apple /// Computer Repair Document



ProFile Hard Disk

DOCUMENT TITLE

Pro-File Level II Phase 1 Service Manual (Preliminary)

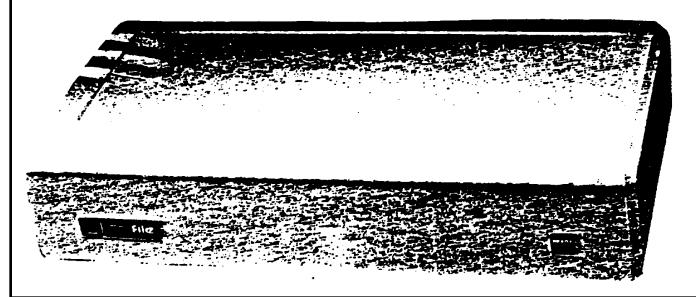
Author: Apple

DAVID T. CRAIG 736 EDGEWATER, WICHITA, KANSAS 67230 [USA]

Pages: 138

### PRO-FILE LEVEL II PHASE 1 SERVICE MANUAL

**PRELIMINARY** 



### PRO-FILE PHASE 1 SERVICE MANUAL TABLE OF CONTENTS

manual Introductioni	
Section 1 Troubleshooting	
Section 1 Introduction	
Section 1 Introduction	3
No Scan Troubleshooting Flowchart	4
Diagnostic Procedure Flowchart	14
	ro
Section 2 Service Procedures	
How To Use This Section 2.	ı
Pro-File Module Removal/Replacement Procedures	
introduction	,
1. The Cover	:
2. The Ready LED	7
3. Controller PCB 2	<b>1</b>
4. Power Supply	1
3. HDA and Analog PCB	2
6. Motor Control PCB	.7
PCB Upgrades Controller PCB Upgrade	.9 :1
Checks and Adjustments	
HDA Speed	2
nua index	4
num brake	<u> </u>
HDA Track 0 2.3	0
Software Operation Procedures	
Format Program	_
2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	c
or pervice criteria	7
Quick Debugger (system Z8 installed)	Ω
Big Debugger (Debugger/Format 28 installed) 2.4	0
Pro-File Phase 1 Service Manual Table of Contents rev 11-2	3-83

Page 0012 of 0057

♠ Apple Lisa Computer Technical Information

### PRO-FILE PHASE 1 SERVICE MANUAL TABLE OF CONTENTS

### Section 3 Appendices

How to Use This Section	3.2
Overview of the Pro-File	
General Information	3.3
1. Controller PCB	3.5
2. Analog PCB	3.6
3. Switcher Power Supply	3.7
4. Hard Disk Assembly (HDA)	3.8
Pro-File HDA Description	
1. Physical Description	3.10
2. Pro-File HDA Format	3.11
3. Special Function Tracks	3.17
Pirmware Routines	
l. Scan Operation	3.20
2. Retry (Error/Data Recovery)	3.23
3. Diagnostic (Sector Media Check)	3.25
4. Normal Operation (Differences from Scan)	3.26
Circuit Descriptions	
1. Controller PCB	3.27
2. Analog PCB	3.92
Schematic Diagrams	
1. Controller PCB	3.124
2. Analog PCB	3.125

Pro-File Phase 1 Service Manual Table of Contents rev 11-28-83

### Controller PCB Circuit Descriptions

### Read/Write Data MUX U6

The Read Data MUX is used to select one of two sources of data, either Serialized Data from the SER/DESER register, or NRZ Read Data from the Analog PCB. When reading, it gates NRZ Read Data through to the Serial/Deserial Shift Register U14. During a Write, it gates serial data from the Serial/Deserial Shift Register U14, to the CRC generator U35.

### CRC Generator/Checker U35, U36

The CRC (Cyclic Redundancy Check) circuit is used to compute CRC check characters that are written at the end of each data block on disk during Write operations, to compute CRC for Read data, and to compare the result with the CRC characters that were read at the end of each data block

### Deserialized Data Register U21

This 8-bit register temporarily holds the descrialized data from the disk so that the shift register can receive the next byte. When the logic is ready, it directs the register's contents to RAM though the Data In MUX.

### Serial/Deserial Shift Register U14

This register is used to take the parallel data from RAM and shift it out serially to the Analog PCB and to take the serial data from disk and shift it into a parallel format for transfer back into RAM.

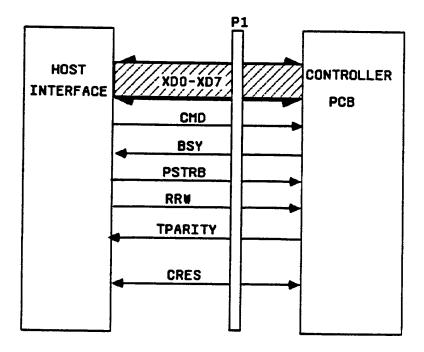
### Stepper Motor Drivers U7, U8

The 4 phases required for Stepper motor movement are generated by the Z8. The current for these signals is then boosted by the Stepper Motor Drivers U7, and U8.

Appendices

Controller PCB Circuit Descriptions

### PRO-FILE HOST INTERFACE



Appendices rev. 11-14-83 Page 3.42

### Controller PCB Circuit Descriptions

### CONTROLLER PCB SIGNAL FLOW DESCRIPTION

To understand Controller PCB operation, you should first become familiar with data flow in the three stages of an operation; the Command Handshake, the Check Header function, and the operation itself. The following discussions describe each stage, first in general and then in detail.

The Z8 is used to condition the logic, but it is not actively involved with data transfers to/from the disk or Host; that is done by the Read/Write Control logic (RWCL which is just about everything else on the Controller PCB except the Z8, RAM, and Host interface circuitry).

(For information on the Pro-File format on composition of the sectors in the format, refer to the Pro-File HDA Description in the Appendices section.)

### A. Command Handshake

### Command Handshake General Explanation

Assume that the Pro-File is initially sitting idle with the BSY line high (not active), the disks spinning, and the heads over track 155 (Park position), waiting for the Host to tell it to do something. The Host communicates this message during the Command Handshake.

The Host asserts CMD (active low) to initiate communications with the Z8. Upon seeing CMD going low, the Z8 lowers its BSY line and waits for the Host to raise CMD.

When the Pro-File sees CMD go high it places a 01 response byte on the interface bus and raises BSY.

The Host sees the BSY line go high and interprets the 01 as an ACK, so it lowers the RRW signal. The low RRW signal enables the Pro-File to write the command bytes the Host will send into its RAM.

The Host must acknowledge the Pro-File's response with a 55, or the 28 will abort the operation and go back to idle. The Host puts its 55 response byte on the bus and lowers the CMD line.

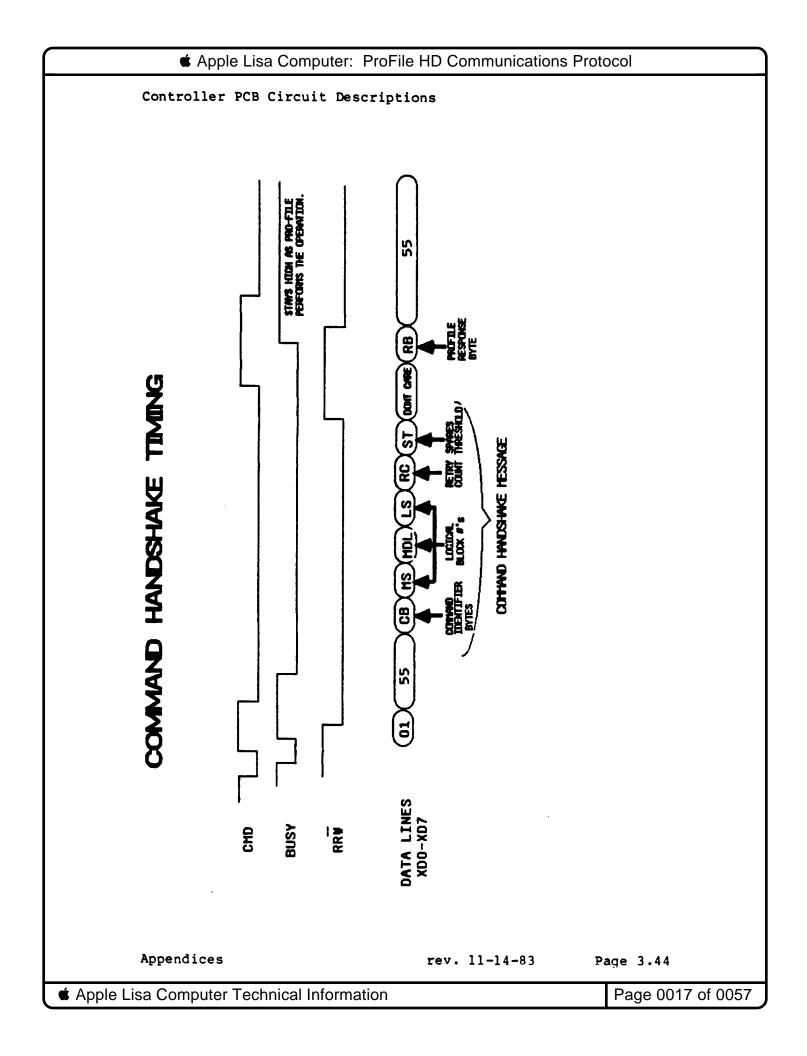
The low RRW and the response of 55 cause the 28 to condition the bus to receive the command bytes, which are not immediately read by the 28 but are stored in RAM for future reference.

After the Host puts each byte on the I/O bus, it generates PSTRB. The positive transition of the negative pulse PSTRB is used to clock the byte into the RAM.

Appendices

rev. 11-14-83

Page 3.43



Controller PCB Circuit Descriptions

When CMD goes low again, the 28 interprets the command bytes and responds with the result of its command interpretation. For example, if the Host has said to read a block, the 28 would respond with "02", which means "I'm going to read a block".

If it wants the operation to continue, the Host must confirm the response with a 55 on the bus again. If it disagrees or has changed its mind, the Host will send a byte other than a 55 causing the Pro-File to abort the operations.

Two handshakes are required to complete a Read operation. The first one is the Command Handshake, and the second is when the Pro-File sends the Read data, and the completion status of the operation back to the Host.

Three are required for both a Write and a Write/Verify operation. The first one is the Command Handshake, and the second is when the Host sends the block of write data to the Pro-File, and the third is when the Pro-File sends the completion status of the operation back to the Host.

The command identifier bytes for each of the three commands are as follows, 00 fro Read, 01 for Write, and 02 for Write/Verify. A Command Handshake message is composed of the following elements.

Command	Logical Block #	Retry	Sparing
Identifier		Count	Threshold
xx	Most, Middle, and	Host	Host
	Least Significant	Specific	Specific

The Pro-File interprets CMD high as a request from the Host to send a byte telling the Host what the Pro-File expects to do next. When the Pro-File is waiting for a command, it sends an '01' in response to CMD high. The Pro-File's other responses are shown in the table below.

Host's command to Pro-File	Pro-File's Response
Initiate handshake (lowers CMD)	01
Read a block	02
Receive Write data	03
Receive Write/Verify data	04
Do the Write or W/V on disk	06

Appendices rev. 11-14-83 Page 3.45

### Controller PCB Circuit Descriptions

Following a Read or a Write, the 28 provides the Host with four status bytes, which are placed in the buffer immediately preceding the data just read or written. The significance of the individual bits is listed below:

### STATUS 1

- 7 = 1 if Pro-File received 55 to its last response
- 6 = 1 if Write or Write/Verify was aborted because the number of data bytes sent exceeded the data block limits or because the Pro-File couldn't read its spares table
- 5 = 1 if the Host's data is no longer in RAM because the Pro-File updated its spares table.
- 4 = 1 if SEEK ERROR caused by Pro-File being unable in three tries to read three consecutive headers on a track
- 3 = 1 if CRC error, may occur only during an actual Read or verify of Write/Verify, not while trying to read headers after seeking
- 2 = 1 if TIMEOUT ERROR (couldn't find target sector's header in nine revolutions - Not set while trying to read headers after seeking)
- 1 = N.C.
- 0 = 1 if operation is unsuccessful

### STATUS 2

- 7 = 1 if SEEK ERROR occurs if Pro-File is unable in one try to read three consecutive headers on a track.
- 6 = 1 if spares table overflow (More 32 sectors spared)
- 5 = N.C.
- 4 = 1 if bad block table overflow occurs (Less than 100
   bad blocks in table )
- 3 = 1 if the Pro-File is unable to read its status sector.
- 2 = 1 if sparing occurs.
- 1 = 1 if Seek to wrong track occurs.
- 0 = Not used.

Appendices

### Controller PCB Circuit Descriptions

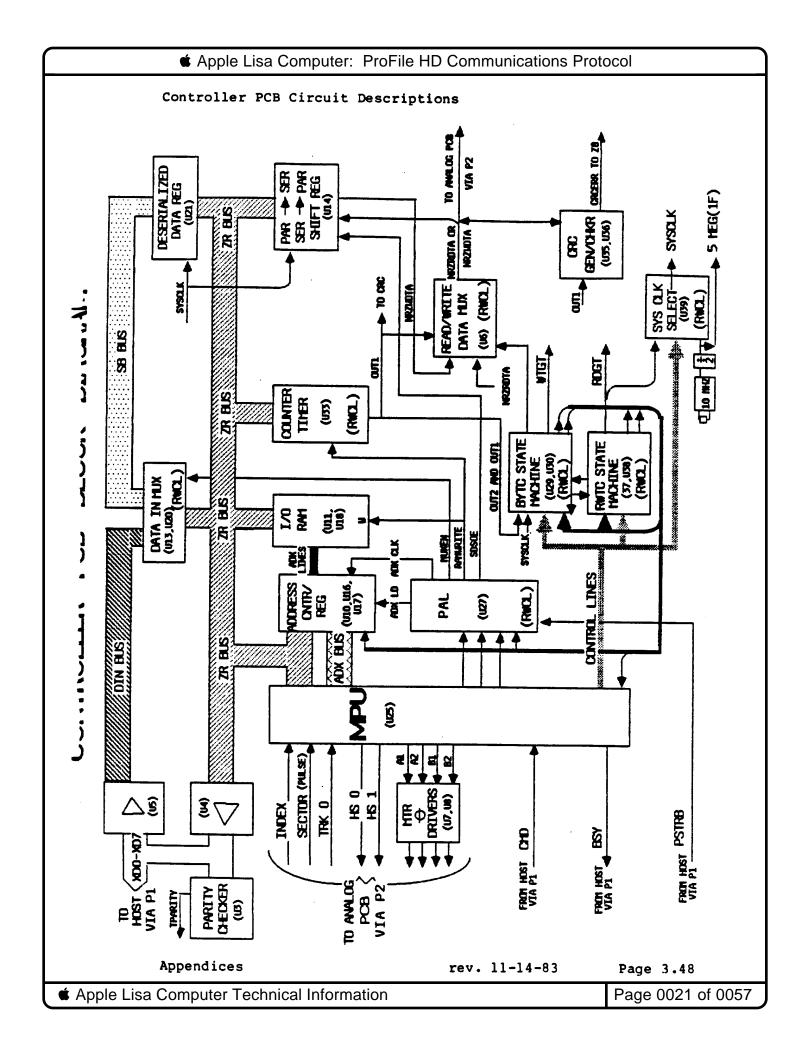
### STATUS 3

- 7 = 1 if the Pro-File has been reset
- 6 = 1 if block number is invalid
- 5 = 1 if block I.D. at end of sector is mismatched
  - 4 = N.C.
  - 3 = N.C.
- 2 = 1 if the Pro-File has been reset.
- 1 = 1 if the Pro-File gave a bad response
- 0 = 1 if CRC error occurs.
- These bits are sent by the Host driver.

STATUS 4  $\overline{7}$  - 0 = the number of errors encountered when rereading a block after any read error.

(Continued on the next page.)

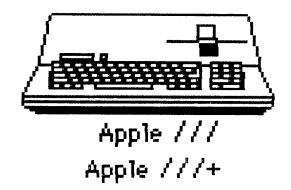
Appendices



### Apple Computer, Inc. Service Engineering Department



# Apple /// Computer Repair Document



COMPONENT NAME

Profile Hard Drive

Pro-File Level II Phase 1 Service Manual (Very Preliminary)

Author:

DAVID T. CRAIG 736 EDGEWATER, WICHITA, KANSAS 67230 [USA] Pages: 101 (p.1 not present)

### PRO-FILE LEVEL II PHASE 1 SERVICE MANUAL

VERY PRELIMINARY





### CONTROLLER DETAILED BLOCK DIAGRAMS

The first thing we need to do is to get familiar with where the data goes in each one of the various modes. Once we understand where it is supposed to go it is a lot easier to understand how the control logic gets the job done. By not bothering with the super detail at this point, or using the assumption that it does it as if it were a mystery of life. Trust us!

### CONTROLLER/INTERFACE COMMAND HANDSHAKE

The MPU having done its previous command is sitting idle and is waiting for the Apple to tell it to do something. The interface raises CMD and the MPU starts its thing.

Upon seeing CMD going high the MPU raises its BST line and places 01 on the interface bus. The apple must ack the Profiles response with a 55 when it lowers the CMD line or the profile will abort the operation and go back to idle. When the interface lowers CMD (and has acked the response with 55 the MPU conditions the bus to receive the command bytes.

The command bytes are not read by the MPU at this time but are stored in the RAM. When CMD goes high again the MPU interprets the command bytes and responds with the result of its command interpretation (For example: if the apple had said to read a block, the MPU will respond with "02" which means "I'm going to read a block"). The apple must confirm the response with a 55 on the bus again, if it disagrees or has changed its mind any other byte will cause the Profile to abort the operation.

It takes two command handshakes to complete a Read operation, and three handshakes for both a write, and a write/verify operatin.

Let's now look at each operation's handshake routine:

### Read Operation

- 1. The Apple raises CMD.
- 2. Profile places 01 on the bus and signals the apple by raising BSY.
- 3. The Apple places 55 on the bus and signals Profile by lowering CMD.
- 4. The apple then transfers the read command bytes to profile ram.
- 5. The apple the raises CMD again.
- 6 Profile looks at the command bytes and reponds with 02 and raises BSY.
- 7. Apple checks response, acks with 55 and lowers CMD.
- 8. Profile then goes and reads the desired block, keeping BSY high.
- 9. When finished reading block from disk to RAM, Profile lowers BSY.
- 10.Apple then transfers data from Profile Ram to its own.
- 11.Operation complete.

### Write Operation

- 1. The Apple raises CMD.
- 2. Profile places 01 on the bus and signals the apple by raising BSY.
- 3. The Apple places 55 on the bus and signals Profile by lowering CMD.

- 4. The apple then transfers the write command bytes to profile ram.
- 5. The apple the raises CMD again.
- 6 Profile looks at the command bytes and reponds with 03 and raises BSY.
- 7. Apple checks response, acks with 55 and lowers CMD.
- 8. Apple then transfers block to Profile RAM
- 9. When finished transferring block to RAM Apple raises C.D.
- 10.Profile places 06 on bus and raises BSY.
- 11.Apple checks response puts 55 on bus and lowers C.D.
- 12. Profile writes data on disk and updates status bytes in RAM.
- 13 When done writing Profile lowers BSY.
- 14.Apple transfers status bytes from Profile RAM and sees if OK.
- 15.Operation complete.

### Write/Verify Operation

- 1. The Apple raises C.D.
- 2. Profile places Ol on the bus and signals the apple by raising BSY.
- 3. The Apple places 55 on the bus and signals Profile by lowering CMD.
- 4. The apple then transfers the write/verify command bytes to profile ram.
- 5. The apple the raises CMD again.
- 6 Profile looks at the command bytes and reponds with 04 and raises BSY.
- 7. Apple checks response, acks with 55 and lowers CD.
- 8. Apple then transfers block to Profile RAM
- 9. When finished transferring block to RAM Apple raises CMD.
- 10.Profile places 06 on bus and raises BST.
- Il.Apple checks response puts 55 on bus and lowers CCD.
- 12. Profile writes and verifies data on disk and updates status bytes in RAM.
- 13 When done writing Profile lowers BSY.
- 14.Apple transfers status bytes from Profile RAM and sees if OK.
- 15.Operation complete.

This simple handshaking protocol, seems a bit cumbersome but it allows very complete control and acknowledgement of every action before it is allowed to go ahead.

We have gone through system level data movement but what goes on inside Profile? Thought you'd never ask.

The simplest operation is the read.

First one very simple statement, the MPU is used to condition the logic but is not really actively involved with data transfers to/from disk or the Apple, that is done by the Read/Write Control logic. Now let's go.

The Read Operation Command Handshake is complete and the MPU has seen both command responses ack'd. It then conditions the logic to start a read. Pirst it interprets the block number requested and selects the proper head, and alters the stepper phase control lines to match the proper track. It then places the head, track, sector infromation in RAM for comparison with infomatin returning from the disks headers. After proper timeouts, if there was eiter a head and/or track change it starts the Read/Wrtie control Logic (hereafter referred to as RWCL).



### DISK FORMAT

The Profile has two disks, each having two sides. Their is a read/write head for each surface. Each surface is divided into 152 concentric tracks. Each Track has 16 sectors. The user has access to 9,728 blocks (sectors). Each sector has 532 bytes of user data. This means that the formatted drive contains 5.17 million bytes of user data. (the equivilant of over 40 DISK II diskettes)

### SECTOR FORMAT

Each sector is formatted into two fields, the header and the data block. There is a preamble of 22 bytetimes of zeros before each field.

The header contains 16 bytes; two start header bytes, three bytes for track, sector, and head ID's, and three bytes for a redundancy of the compliments of the track, sector head bytes. The rest of the field is filled with zeroes.

The data field contains two synce bytes, 532 data bytes, and \*\*\*bytes for the CRC characters. After the CRC characters the disk writes zeros until WTGT is lowered.

### CHECK HEADER OPERATION

For each read or write operation, the specific sector must be located and checked. This is accomplished by the action of the MPU, RWCL and most all of the logic on the controller. It however is a relatively simple operation.

The MPU sets a complete replica of the desired header (exclusive of the first "Ol" start byte) into a specific area of RAM. Then it waits for the sector pulse. When it sees the sector pulse it starts the State Machines. The state machines in combination with the PAL move each successive byte of the header replica into the SERIALIZER which is then serialized and shifted out in sync with the incoming NRZRDTA. It is compared and if there is even a single bit difference in comparison the STATE MACHINES abort the attempt and reset to wait for the next incoming sector then the process is repeated. This will go on until the header matches the image in RAM or there is a timeout error (inside the MPU...its waiting for the "sector done" from the state machine if it doesn't see it in a reasonable amount of time the MPU takes over and goes through an Error routine.)

If the desired operation was to read a block, the logic then accepts the data in from disk and moves it into RAM. If the operation was to write a block the logic is conditioned to move the data from RAM to the disk.

### PROFILE COMMUNICATION PROTOCOL

This document describes the communication protocol between the Profile hard disk drive and a host computer. Profile is connected to the host by a data bus, a CMD (command) input and a CRES (controller reset) input, a BSY (busy) output, and several other signal lines which are described in the Profile Controller Hardware External Reference Specification and will not be covered in this document.

When Profile is turned on, its processor waits 18 seconds for the disk to come up to speed. It then sequentially reads each block on the disk, using the read and write/verify/sparing routines described below, with a retry count of 105 and a sparing threshold of 53, but without the CMD - BST handshakes. During this disk scan the hardware blinks the ready light about twice per second. The scan usually takes about 55 seconds, but will take more time if errors are encountered. After the scan is done Profile's ready light stays on without blinking, indicating that Profile is ready for use.

Profile supports three commands. They are: read, write, and write/verify. The host computer initiates all command sequences by raising the CMD line. Whenever Profile's Z8 processor is idle, it stays in a loop waiting for CMD to go high. After 1 1/2 seconds in this loop (except between the second and third handshakes of a write or write/verify operation) the Z8 will move the head to the innermost position, off the data area of the disk, and turn off the stepper motor.

The command bytes for each of the three commands are shown below.

		Block #	<b>;</b>	Retry Count	Sparing Threshold	
READ I	00    MS		IS    	. 1		1 ! 1
		Block #	•			
WRITE	01   MS		LS I			AZZ
		Block #	•		ลดส์	PULL
WRITE/ VERIFY			LS			Miller
				Arch	MAIN	-

### PROFILE COMMUNICATION PROTOCOL

Profile interprets CMD high as a request from the host to send it a byte telling it (the host) what Profile expects to do next. When Profile is waiting for a command it sends an '01' in response to CMM high. Profile's other responses are shown in the table below.



	PROFILE'S Next Action	PROFILE'S Response
1	get a command	01
1	read a block	. 02
1	receive write data	03
i i	receive write/verify   data	04
! !	do actual write or .	06

Profile indicates that its response byte is on the data bug by raising BSY. It then waits (forever, if necessary, as there is notimeout) for CED to go low. When that occurs, Profile reads the data bus. If the value read is a '55' (hex), Profile executes the next action, and lets the host know that it is done by lowering BSY. If the response from the host is not a '55', Profile sets the NAT received status bit, resets itself to the idle state and waits for CMD to go high again.

write/verify on disk

Profile uses only the number of bytes it needs for each command. Any extra bytes sent are ignored. Valid block numbers range from 000000 to 0025FF inclusive. A block number of FFFFFE will read or write Profile's RAM buffer, while a block number of FFFFFF will read Profile's spare table from the disk. The retry count parameter of the read command tells Profile how many times to reread a block if it gets a CRC or timeout error (zero is a valid number). If a CRC or timeout error occurs, Profile saves the data the first time it reads the block successfully, but rereads the block the full number of times specified in the retry count. If Profile is not able to read a block during any of the retries, it will attempt to read the block an additional 90 times or until the read is successful, whichever comes first. Each timeout error during these 90 retries counts as 9 retries, since that is how many times the disk rotates before a timeout occurs. If Profile is not able to successfully read the block after all these retries, it enters the block number in its bad block table, sets the appropriate error bits (described in detail later), sets up the bus so the host can read the result of its latest read attempt, and lowers BSY to indicate that the operation is finished. If the bad block table is already full (100 entries), Profile will set that error bit instead of entering the block number in the table. If, during the initial retries (those specified by the retry count), the number of errors is less than the number specified in the sparing threshold, Profile sets the four status

### PROFILE COMMUNICATION PROTOCOL

bytes to their appropriate values, sets up the bus for the host, and lowers BSY. However, if the number of errors is equal to or greater than the number specified in the sparing threshold, Profile goes through its write/verify/sparing routine. The w/v/s routine first attempts to write the data on the disk. If the attempt is unsuccessful because there was a seek settle error or because Profile was unable to read its spare table (two conditions which disallow all writes to the disk), Profile will set the operation unsuccessful status bit, set up the data bus for the host, and lower BSY. If the attempt is unsuccessful because of a timeout error, or if the read after write is bad, Profile will retry the whole write/verify routine one more time. If it still is not able to do it, Profile will retry the write/verify/spare routine using a spare sector on the disk. When a write/verify operation is successful, Profile will delete the block number from the bad block table, if it was there, and enter it in the spare table if appropriate. The only difference between a write/verify operation (which uses the write/verify/spare routine described above). and a write operation is that a write operation does not retry on a timeout error, and does not read the block after writing it (and will never spare a block). However, Profile will automatically change a write operation to a write/verify operation if the block being written is in the bad block table.

Profile's 9,728 usable blocks are divided into 152 cylinders of 4 surfaces, with 16 blocks (sectors) per track. The blocks are allocated to sectors sequentially, starting with track 0, head 0, sector 0,1,2, ... 15; track 0, head 1, sector 0,1..; .....; track 152, head 3, sector 1,2,...14,15. No blocks are originally assigned to cylinder 77, as it is reserved for the 32 spare sectors and the spare table (which includes some device specific information and the bad block table). Profile's interleave is 5 to 1 for reads, 21 to 1 for writes, and 37 to 1 for write verifies. The latter 2 obviously miss the physical interleave when used with the Apple III. In addition to the wait between successive writes, there is a 30ms wait before the first write after any cylinder change. Profile's rotation speed is 3600 RPM.

When the host requests a read or a write from Profile, Profile first translates the block number into the correct track, head and sector values. It then checks to see if the desired block is in the spare table, and sets the track, head, and sector accordingly if so. If the current block and the last block read or written have the same track and head, the 28 exits the seek routine. If the track is the same but the head is different, the 28 waits 750us and then exits the routine. Otherwise, the Z8 waits 24ms for the stepper to settle, then tries up to 64 times to read any 3 consecutive sectors on the disk (actually alternate sectors on the disk, since that is the best the hardware can do). If during these reads it determines that it is on the wrong head or track it will set the appropriate error bit and go back to the beginning of the seek routine. If the ZB is not able to read 3 consecutive sectors because of a timeout (no header found in 26ms) or CRC error, it will retry the entire seek routine up to twice more after moving the stepper off track first to the innermost track and back, and if not successful, then to the outermost track and back. If it is still not able to read 3 consecutive sectors the Z8 will set the seek



page 3

### PROFILE COMMUNICATION PROTOCOL

nage 4

settle error bit, which as mentioned disables all writes to the disk.

Following a read or a write the ZB provides the host with 4 status bytes. They are placed in the buffer immediately preceding the data just read or written. The significance of the individual bits is as follows:



### STATUS 1

- 7 = 1 if Profile received  $\Diamond$  55 to its last response
- 6 = 1 if write or write/verify was aborted because >532 bytes
- of data were sent or because Profile couldn't read its spare table
- 5 = 1 if host's data is no longer in RAM because Profile updated its spare table
- 4 = 1 if SEEK ERROR unable in 3 tries to read 3 consecutive headers on a track
- 3 = 1 if CRC error (only set during actual read or verify of write/verify, not while trying to read headers after seeking)
- 2 = 1 if TIMEOUT ERROR (couldn't find header in 9 revolutions not set while trying to read headers after seeking)
  - 1 N.C.
  - -0 = 1 if operation unsuccessful

### STATUS 2

- 7 = 1 if SEEK ERROR unable in 1 try to read 3 consecutive headers on a track
  - \_ 6 = 1 if spared sector table overflow ( > 32 sectors spared)
    - 5 N.C.
    - 4 = 1 if bad block table overflow ( > 100 bad blocks in table)
    - 3 = 1 if Profile unable to read its status sector
    - 2 = 1 if sparing occurred
  - : l = l if seek to wrong track occurred
  - ' 0 = N.C.

### STATUS 3

- 7 = 1 if Profile has been reset
- 6 = 1 if block number invalid .
- 5 = 1 if block I.D. at end of sector mismatch
  - 4 N.C.
  - 3 N.C.
  - 2 = 1 if Profile was reset
  - 1 = 1 if Profile gave a bad response
  - 0 = 1 if parity error

### STATUS 4

- 7 0 = the number of errors encountered when rereading a block after any read error
- \* These bits are set by the S.O.S. Profile driver.

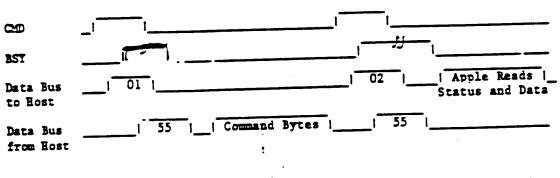
### PROFILE COMMPNICATION PROTOCOL

As mentioned previously, reading block FFFFFF gets Profile's spare table. The first 13 bytes are allocated for the device name, which is PROFILE followed by 6 blanks. The next 3 bytes are allocated for the device number, which is 00 00 00. The next 2 bytes are used for the program revision number, which currently is 03 90. The next 3 bytes tell how many blocks are available to the user, with the most significant first. These bytes should be 00 26 00. The next 2 bytes tell how many bytes are in each block. These bytes will be 02 14, which equals 532 decimal (however, Profile doesn't care how many bytes the host reads, nor how many bytes the host sends as long as it's not more than 532). The next byte contains the total number of spare sectors available, which is 20 hexadecimal or 32 decimal. This is followed by the number of spares currently allocated (once a spare is allocated it can never be deallocated, except by reformatting the disk), and then followed by the number of bad blocks currently in the bad block table. Finally the numbers of the spared blocks and the numbers of the bad blocks are listed (3 bytes per block number), with delimiters of FF FF FF between the spare and bad block lists and following the bad block list.

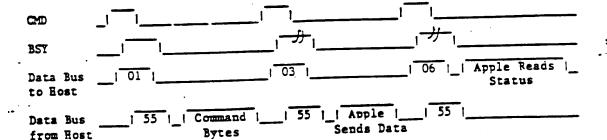


The diagrams below show how the handshaking works for each of the 3 operations supported by Profile.

### Read Operation



### Write Operation



52

Sends Data

. Important: The host must raise CMD following the last operation requested, since changes in Profile's spare and bad block tables do not get rewritten onto the disk until this occurs. After BSY goes high, CMD can be lowered as long as anything but 55 (hexadecimal) is on the data bus.

Bytes

from Bost

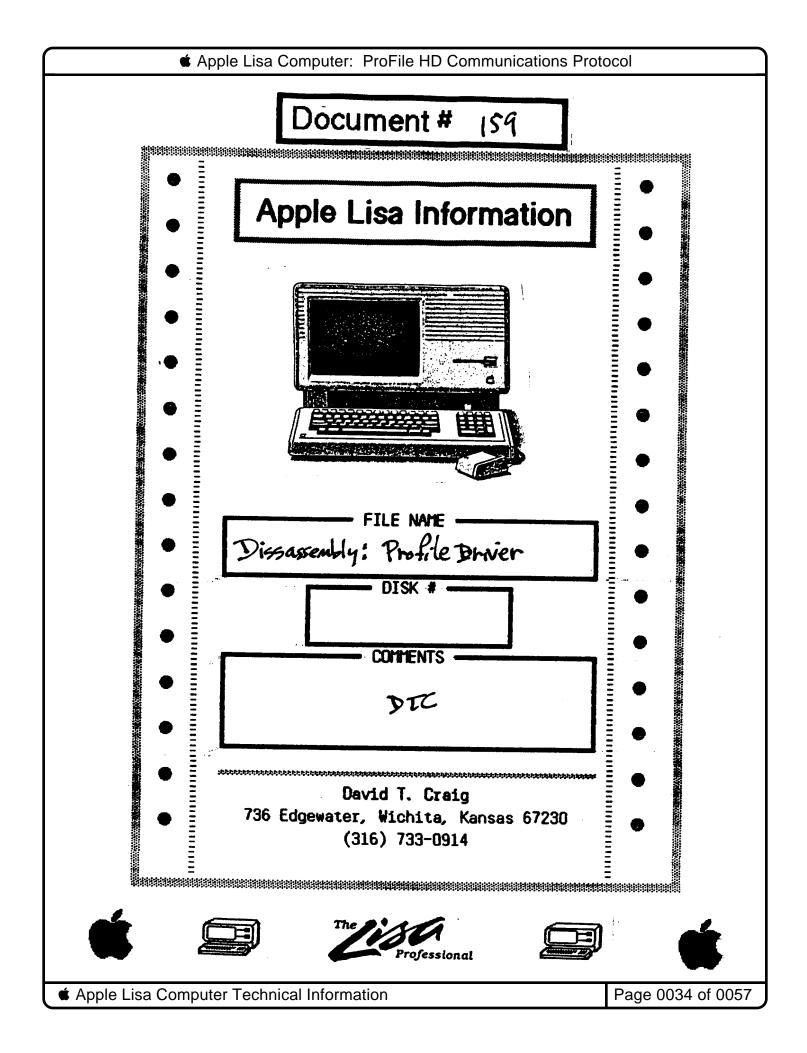
### PROFILE COMMUNICATION PROTOCOL

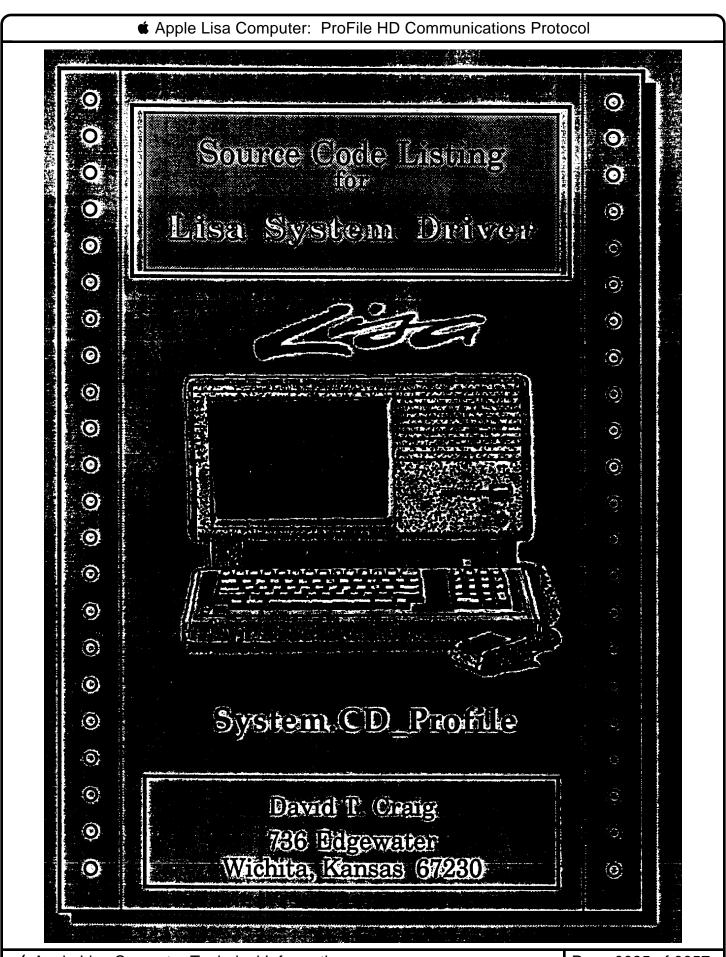
Addendum for Controller Versions 3.96 and 3.97

Revision 3.96 of the Profile controller program has several improvements over revisions 3.90 and 3.92 (3.90 and 3.92 are identical except that 3.92 moves the stepper at half the 1.5ms per track rate used by 3.90). Instead of the Z8 falling directly into the write/verify/sparing routine if the number of errors encountered reading a block is greater than the sparing threshold specified by the driver, it rewrites the block then rereads it 100 times. If the error rate is greater than 30%, the block is spared. This 30% sparing criteria is used anytime a write/verify fails to verify, when doing a write or write/verify of a block that is in the bad block table, and when verifying a write to a spare sector. Another change is that a block is spared if the seek was able to read 3 consecutive sectors OK but a timeout error (because of not being able to find the desired header) occurred while doing a write or write/verify. Because of these changes in the sparing algorithm, the sparing threshold during the initial disk scan is now 30% instead of 50%. The last change in revision 3.96 is that the fast seek algorithm is used if the jumper at P6 on the controller board is cut, and the slow seek algorithm is used if the jumper is intact. Revision 3.97 waits 3.28 seconds instead of 1.5 seconds before moving the head off the data area of the disk.



Charlow Strain





```
5/28/91 12:53 PM
                              HD:Lisa Device Drivers:SYSTEM.CD_PROFILE
                                                                                              Page 1
       APPLE LISA COMPUTER DISASSEMBLY
                      : System.CD Profile
   10
                      : This document contains a disassembly of the Apple Lisa
        Notes
   11
                        system driver file for the ProFile hard disk device.
   12
                        This disassembly is in Motorola 68000 assembly language
   13
   14
                        as produced by the Lisa WorkShop tool DumpObj.
   15
   16
        Disassembler : David T. Craig
   17
                        736 Edgewater
   18
                        Wichita, Kansas 6723Ø
(316) 733-Ø914
   19
   20
                                                                            [ May 1991 ]
   21
       22
   23
      Dump of file system.cd profile:
   25
        VersionCtrl: FileType:OldObjFile sysNum: 00010000 minSys: 00010000
   26
           maxSys: 00017F00 Reserv1: 00000000 Reserv2: 000000000 Reserv3: 000000000
   27
   28
                      JTLaddr: F8Ø1ØØ JTSize: ØØØØ1C DataSize: ØØØØØØ
           MainSize: ØØØØØØ JTSegDelta: Ø1ØØ StkSegDelta: Ø1ØØ DynStack: ØØ28ØØ
MaxStack: Ø2ØØØØ MinHeap: ØØ1ØØØ MaxHeap: Ø2ØØØØ
   29
   30
   31
           Jump Table: Segments: 0001
   32
           Seg SegmentAddr Packed Unpacked MemLoc
   33
           ØØØ1 ØØØØ88
                            ØØØØ 1534
                                             2200000
            Procedure Descriptors: 0001
           JT Loc JUMP.L AbsAddr
           ØØØØ1Ø: 4EF9
   36
                           22ØFØC
   37
           Trap Handler:
   38
      ØØØØ16: 2258 2FØ8 4ED1
                                                        '"X/.N.'
   39
   40
      ModuleName: MainProg SegmentName:
                                                    CSize: ØØØØØØ
   41
   42
        StartAddress: 000000 GSize: 000000
   43
   44
        CodeBlock: Addr: 220000
   45
          ObjectCode:
      ØØØØØ8: 4EFA ØC76
   46
                                                JMP
                                                          *+$ØC78
                                                                          ; ØØØØØC8Ø
   47
      ØØØØØC: 2Ø78 Ø21Ø
                              ' x..'
                                                MOVE.L
                                                         $Ø21Ø,AØ
   48
      ØØØØ1Ø: 4EDØ
                              'N.'
                                                JMP
                                                          (AØ)
   49
      ØØØØ12: 2Ø78 Ø21Ø
                              ' x..'
                                                MOVE.L
                                                         $Ø21Ø, AØ
   50
      ØØØØ16: 4EE8 ØØØ6
                              'N...'
                                                JMP
                                                         $ØØØ6 (AØ)
      ØØØØ1A: 2Ø78 Ø21Ø
                               х..'
                                                MOVE.L
                                                         $Ø21Ø, AØ
      ØØØØ1E: 4EE8 ØØØC
  52
                              'N...'
                                                          $ØØØC (AØ)
                                                JMP
   53
      ØØØØ22: 2Ø78 Ø21Ø
                              ' x..'
                                                MOVE.L
                                                         $Ø21Ø, AØ
   54
      ØØØØ26: 4EE8 ØØ12
                              'N...'
                                                JMP
                                                         $ØØ12 (AØ)
  55
      ØØØØ2A: 2Ø78 Ø21Ø
                              ' x..'
                                                MOVE.L
                                                         $Ø21Ø, AØ
  56
      ØØØØ2E: 4EE8 ØØ18
                              'N...'
                                                         $ØØ18 (AØ)
                                                JMP
   57
      ØØØØ32: 2Ø78 Ø21Ø
                              ' x..'
                                                MOVE.L
                                                         $Ø21Ø, AØ
      ØØØØ36: 4EE8 ØØ1E
                              'N...'
                                                JMP
                                                         $ØØ1E (AØ)
  59
      ØØØØ3A: 2Ø78 Ø21Ø
                              ' x...'
                                                MOVE.L
                                                         $Ø21Ø, AØ
  60
      ØØØØ3E: 4EE8 ØØ24
                              'N..$'
                                                JMP
                                                          $ØØ24 (AØ)
   61
      ØØØØ42: 2Ø78 Ø21Ø
                                                MOVE.L
                                                         $Ø21Ø, AØ
  62
      ØØØØ46: 4EE8 ØØ2A
                              'N..*'
                                                JMP
                                                         SØØ2A (AØ)
      ØØØØ4A: 2Ø78 Ø21Ø
   63
                              ' x...'
                                                MOVE.L
                                                         $Ø21Ø. AØ
      ØØØØ4E: 4EE8 ØØ3Ø
                              'N..Ø'
                                                JMP
                                                         $ØØ3Ø (AØ)
      ØØØØ52: 2Ø78 Ø21Ø
                               x..'
                                                MOVE.L
                                                         $Ø21Ø, AØ
  66
      ØØØØ56: 4EE8 ØØ36
                              'N..6'
                                                JMP
                                                         $ØØ36 (AØ)
  67
      ØØØØ5A: 2Ø78 Ø21Ø
                              ' x...'
                                                MOVE.L
                                                         $Ø21Ø, AØ
      ØØØØ5E: 4EE8 ØØ3C
   68
                              'N..<'
                                                JMP
                                                         $ØØ3C (AØ)
  69
      ØØØØ62: 2Ø78 Ø21Ø
                              ' x...'
                                                MOVE.L
                                                         $Ø21Ø, AØ
  70
      ØØØØ66: 4EE8 ØØ42
                              'N..B'
                                                JMP
                                                         SØØ42 (AØ)
  71
      ØØØØ6A: 2Ø78 Ø21Ø
                              ' x...'
                                                MOVE.L
                                                         $Ø21Ø, AØ
  72
      ØØØØ6E: 4EE8 ØØ48
                              'N..H'
                                                JMP
                                                         $ØØ48 (AØ)
  73
      ØØØØ72: 2Ø78 Ø21Ø
                              ' x..'
                                                MOVE.L
                                                         $Ø21Ø, AØ
  74
      ØØØØ76: 4EE8 ØØ4E
                              'N..N'
                                                JMP
                                                         $ØØ4E (AØ)
  75
      ØØØØ7A: 2Ø78 Ø21Ø
                                                MOVE.L
                                                         $Ø21Ø, AØ
  76
      ØØØØ7E: 4EE8 ØØ54
                                                JMP
                                                         $ØØ54 (AØ)
```

	12:53 PM			nd:Lisa Devi	ce Drivers:SYSTE	M.CD_PKUFILE	Page
77	ØØØØ82:			' x'	MOVE.L	\$Ø21Ø, AØ	
	ØØØØ86:			'NZ'	JMP	\$ØØ5A (AØ)	
	ØØØØ8A:			' x'	MOVE.L	\$Ø21Ø, AØ	
				'N'	JMP	\$ØØ6Ø (AØ)	
	ØØØØ92:			' x'	MOVE.L	\$Ø21Ø, AØ	
82	ØØØØ96:			'Nf'	JMP	\$ØØ66 (AØ)	
83		2Ø78	Ø21Ø	' x'	MOVE.L	\$Ø21Ø, AØ	
84	ØØØØ9E:	4EE8	ØØ6C	'N1'	JMP	\$ØØ6C (AØ)	
85	ØØØØA2:	2Ø78	Ø21Ø	' x'	MOVE.L	\$Ø21Ø, AØ	
86				'Nr'	JMP	\$ØØ72 (AØ)	
87	ØØØØAA:			' x'	MOVE.L	\$Ø21Ø, AØ	
	ØØØØAE:	4EE8	ØØ78	'Nx'	JMP	1 <u> </u>	
89	ØØØØB2:	2078	Ø21Ø	' x'	MOVE.L	\$ØØ78 (AØ)	
90	ØØØØB6:			'N~'		\$Ø21Ø, AØ	
	ØØØØBA:			' x'	JMP	\$ØØ7E (AØ)	
92	ØØØØBE:			'N'	MOVE.L	\$Ø21Ø, AØ	
93	ØØØØC2:				JMP	\$ØØ84 (AØ)	
94				'.x'	MOVE.L	\$Ø21Ø, AØ	
95	ØØØØC6:			'N'	JMP	\$ØØ8A (AØ)	
	ØØØØCA:	20/8	0210	' x'	MOVE.L	\$Ø21Ø, AØ	
96 07	ØØØØCE:	4EE8	ØØ9Ø	'N'	JMP	\$ØØ9Ø (AØ)	
				' x'	MOVE.L	\$Ø21Ø, AØ	
98	ØØØØD6:			'N'	JMP	\$ØØ96 (AØ)	
				' x'	MOVE.L	\$Ø21Ø, AØ	
				'N'	JMP	\$ØØ9C (AØ)	
				' x'	MOVE.L	\$Ø21Ø, AØ	
				'N'	JMP	\$ØØA2 (AØ)	
103	ØØØØEA:	2Ø78	Ø21Ø	' x'	MOVE.L	\$Ø21Ø, AØ	
104	ØØØØEE:	4EE8	ØØA8	'N'	JMP	\$ØØA8 (AØ)	
105		2Ø78	Ø21Ø	' x'	MOVE.L	\$Ø21Ø, AØ	
106	ØØØØF6:			'N'	JMP	\$ØØAE (AØ)	
107	ØØØØFA:			' x'	MOVE.L	\$0210, A0	
108				'N'	JMP	\$ØØB4 (AØ)	
109	ØØØ1Ø2:			' x'	MOVE.L		
110	ØØØ1Ø6:			'N'		\$0210, A0	
111	ØØØ1ØA:			' x'	JMP	\$ØØBA (AØ)	
112	ØØØ1ØE:			'N'	MOVE.L	\$Ø21Ø, AØ	
					JMP	\$ØØCØ (AØ)	
				' '/8'	MOVE.L	\$Ø21Ø, - (A7)	
115	000110:	407E	שששש	ØØC6 '	ADDI.L	#\$ØØØØØØC6, (A7)	
			~^1 ~	'Nu'	RTS		
	ØØØ11E:			'/8'	MOVE.L	\$Ø21Ø, - (A7)	
			שששש	øøcc '	ADDI.L	#\$ØØØØØØCC, (A7)	
	ØØØ128:		an 1 a	'Nu'	RTS		
	ØØØ12A:			'/8'	MOVE.L	\$Ø21Ø, - (A7)	
120	MODIZE:	4036	ממממ	ØØD2 ''	ADDI.L	#\$ØØØØØØD2,(A7)	
	ØØØ134:			'Nu'	RTS		
	ØØØ136:			'H8'	MOVEM.L	D3/D4/A2-A4,-(A7)	
	ØØØ13A:		ØØ18	' 0'	MOVE.L	\$ØØ18(A7),AØ	
	ØØØ13E:			'(.'	MOVE.L	AØ, D4	
	ØØØ14Ø:	2468	ØØØ4	'\$h'	MOVE.L	\$ØØØ4 (AØ) , A2	
	ØØØ144:			'&j'	MOVE.L	\$ØØØ4 (A2) , A3	
	ØØØ148:			' (R'	MOVE.L	(A2), A4	
	ØØØ14A:		ØØ1A	'Bj'	CLR.W	\$ØØ1A(A2)	
	ØØØ14E:			'ø*'	MOVE.W	\$ØØ14 (A2) , DØ	
	ØØØ152:			'ø;'	MOVE.W		
	ØØØ156:			'N'		*+\$ØØ16(DØ.W),DØ ; ØØØØØ168	
	ØØØ15A:		~~~	'J@'	JSR	*+\$ØØ12(DØ.W) ; ØØØØØ168	
	ØØØ15C:			'f.'	TST.W	DØ	
			1010		BNE.S	*-\$000E ; 0000014E	
	ØØØ15E:		TOTA	'L'	MOVEM.L	(A7) +, D3/D4/A2-A4	
	ØØØ162:			, , , v <del>o</del> ,	MOVE.L	(A7) +, AØ	
	ØØØ164:			'xō'	ADDQ.W	#\$4,A7	
	ØØØ166:		~~	'N.'	JMP	(AØ)	
			ØØA2	ØØF4 '	ORI.L	#\$ØØA2ØØF4,A2	
	ØØØ16E:			'·•'	BCLR	DØ, - (A4)	
			Ø124	Ø26A '\$.j'	ORI.L	#\$Ø124Ø26A,\$Ø356 (AØ)	
141	ØØØ176:	Ø356		'.V'			
142	ØØØ178:	ØØA8	Ø42C	Ø468 ',.h'	ORI.L	#\$Ø42CØ468,\$ØØA8 (AØ)	
143	ØØØ17E:	ØØA8		1, 1			
	ØØØ18Ø:			1.\$1	BTST	DØ, - (A4)	
			Ø614	ØØA2 '.j'	ANDI.W	#\$Ø614,\$ØØA2(A2)	
146	ØØØ188:	OOF4	0114	ØØA8 ''			
147	ØØØ18E:	Ø1 2 4	~+17.4	'.\$'	ORI.W	#\$Ø1A4,\$A8 (A4,DØ.W)	
1/0	MOMENT OF S	W164	MCEA :		BTST	DØ, - (A4)	
148	MONTAN:	ø∠ oA	47004 (	ØØA2 '.j.T'	ANDI.W	#\$Ø654,\$ØØA2 (A2)	
149	2221 2 =	00F4	1 801 W	ØØA8 '	ORI.W	#\$Ø7Ø8,\$A8 (A4,DØ.W)	
T20	00019C:	ØØF4	Ø724 1	0734 '\$.4'	ORI.W	#\$Ø724,\$34 (A4,DØ.W)	
4 - 4	7.A/3/A7 3 7 .	ØØA2	ØØF4	0778 'x'	ORI.L	#\$ØØF4Ø778,-(A2)	
151	WWWIAZ:			ø7cc ''	ORI.L	- 1	

```
5/28/91 12:53 PM
                                  HD:Lisa Device Drivers:SYSTEM.CD_PROFILE
                                                                                                          Page 3
       ØØØ1AE: ØØA2
  153
       ØØØ1BØ: ØØF4 Ø886 ØØA8 '.....'
  154
                                                       ORI.W
                                                                  #$Ø886,$A8 (A4,DØ.W)
  155
       ØØØ1B6: Ø124
                                                       BTST
                                                                 DØ, - (A4)
       ØØØ1B8: Ø26A Ø9Ø6 ØØA8 '.j....'
                                                      ANDI.W
                                                                 #$Ø9Ø6,$ØØA8 (A2)
       ØØØ1BE: ØØEE Ø9C2 Ø4AE '.....'
  157
                                                       ORI.W
                                                                  #$Ø9C2,$Ø4AE (A6)
       ØØØ1C4: ØØA8 Ø9D8 ØØA8 '.....'
  158
                                                                 #$Ø9D8ØØA8,$ØØF4 (AØ)
  159
       ØØØ1CA: ØØF4
       ØØØ1CC: Ø26A ØØA2 ØØEE '.j....'
                                                     ANDI.W
  160
                                                                 #$ØØA2,$ØØEE (A2)
  161
       ØØØ1D2: Ø9C2
                                                       BSET
                                                                 D4, D2
  162
       ØØØ1D4: ØA46 ØØA8
                                  '.F..'
                                                      EORI.W
                                                                 #$ØØA8.D6
       ØØØ1D8: ØØF4 Ø26A ØA76 '...j.v'
  163
                                                       ORI.W
                                                                 #$Ø26A,$76 (A4,DØ.L)
       ØØØ1DE: ØØA2 ØØF4 ØAB6 '.....'
  164
                                                      ORI.L
                                                                  #$ØØF4ØAB6,-(A2)
       ØØØ1E4: ØØA8 ØØF4 ØAEE '.....'
  165
                                                     ORI.L
                                                                 #$ØØF4ØAEE,$ØØA8 (AØ)
  166
       ØØØ1EA: ØØA8
       ØØØ1EC: Ø124
                                                 BTST
ANDI.W
CMPI.B
BLT.S
MOVE.W
  167
                                                                 DØ, -(A4)
       0001EE: 026A 0B14 7001 '.j.p.'
0001F4: 0C2A 0002 0013 '.*...'
0001FA: 6D08 'm.'
  168
                                                                 #$ØB14,$7ØØ1 (A2)
#$ØØØ2,$ØØ13 (A2)
  169
  170
                                                                 *+$ØØØA
                                                                                    ; ØØØØØ2Ø4
       ØØØ1FC: 357C ØØ46 ØØ14 '5|.F..'
  171
                                                                 #$ØØ46,$ØØ14(A2)
       ØØØ2Ø2: 4E75
ØØØ2Ø4: 546A ØØ14
  172
                                  'Nu'
                                                     RTS
ADDQ.W
RTS
                                  'Tj..'
  173
                                                                 #$2,$ØØ14(A2)
                                               MOVE.B
ADDQ.W
ANDI.B
MOVE.B
ORI.B
ANDI.B
CLR.B
MOVE.W
BTST
BNE.S
DBF
MOVE.W
MOVE.B
       ØØØ2Ø8: 4E75
  174
                                  'Nu'
  175
       ØØØ2ØA: 157C ØØØ1 ØØ12 '.|....'
                                                                 #$ØØØ1,$ØØ12(A2)
                                 'Tj...
  176
       ØØØ21Ø: 546A ØØ14
                                                                 #$2,$ØØ14(A2)
       ØØØ214: Ø22C ØØFE ØØ6Ø
  177
                                                                 #$ØØFE,$ØØ6Ø(A4)
       ØØØ21A: 197C ØØØ2 ØØ68 '
  178
                                   .|...h'
                                                                 #$ØØØ2,$ØØ68(A4)
  179
       ØØØ22Ø: ØØ14 ØØØ8
                                                                 #$ØØØ8, (A4)
  180
       ØØØ224: Ø214 ØØEF
                                                                 #$ØØEF, (A4)
       ØØØ228: 422C ØØ18
                                  'B,..'
  181
                                                                 $ØØ18 (A4)
  182
       ØØØ22C: 3Ø3C ØØ5Ø
                                  'Ø<.P'
                                                                 #$ØØ5Ø, DØ
       ØØØ23Ø: Ø82C ØØØ1 ØØ68 '.,..h'
ØØØ236: 6614 'f.'
  183
                                                                 #$ØØØ1,$ØØ68(A4)
                                                                              ; ØØØØØ24C
  184
                                                                 *+$ØØ16
  185
       ØØØ238: 51C8 FFF6
                                  'Q...'
                                                                 DØ, *-$ØØØ8
                                                                                    ; ØØØØØ23Ø
                                                                 #$ØØØ1,$ØØ1A(A2)
#$ØØFF,$ØØ48(A4)
  186
       ØØØ23C: 357C ØØØ1 ØØ1A '5|....
       ØØØ242: 197C ØØFF ØØ48 '.|...H'
  187
                                  'Nu'
       ØØØ248: 7ØØØ
  188
                                                MOVEQ
RTS
MOVE.B
MOVE.B
BRA.S
MOVE.B
BSR.S
MOVE.W
BTST
BNE.S
DBF
MOVE.W
MOVE.B
MOVE.B
                                                                 #$ØØ, DØ
  189
       ØØØ24A: 4E75
  190
       ØØØ24C: 197C ØØØ2 ØØ68 '.|...h'
                                                                 #$ØØØ2,$ØØ68(A4)
  191
       ØØØ252: 7ØØ1
                      'p.'
                                                                 #$Ø1,DØ
 192
       ØØØ254: 4E75
                                  'Nu'
                                  '.<.i'
                                                                 #$ØØ69,D2
  193
       ØØØ256: 143C ØØ69
       ØØØ25A: 6ØØ4
  194
                                                                 *+$ØØØ6
                                                                                   ; ØØØØØ26Ø
  195
       ØØØ25C: 143C ØØ55
                                  '.<.0'
                                                                 #$ØØ55,D2
                                                                 . $0042
$$0050,D0
$$005
 196
       ØØØ26Ø: 614Ø
                                  'a@'
                                                                                   ; ØØØØØ2A2
                                  'ø<.P'
  197
       ØØØ262: 3Ø3C ØØ5Ø
 198
       ØØØ266: Ø82C ØØØ1 ØØ68 '.,..h'
                                                                 #$ØØØ1,$ØØ68(A4)
 199
       ØØØ26C: 6614
                                                                 *+$ØØ16 ; ØØØØØ282
  200
       ØØØ26E: 51C8 FFF6
                                  'Q...'
                                                                 DØ, *-$ØØØ8
                                                                                    ; ØØØØØ266
  201
       ØØØ272: 357C ØØØ1 ØØ1A '5|....'
                                                                 #$ØØØ1,$ØØ1A(A2)
       ØØØ278: 197C ØØFF ØØ48 '.|...H'
ØØØ27E: 7ØØØ 'p.'
 202
                                                                 #$ØØFF,$ØØ48(A4)
  203
                                                                 #$ØØ,DØ
       ØØØ28Ø: 4E75
                                  'Ñu '
                                                  RTS
MOVE.B
MOVEQ
  204
  205
       ØØØ282: 197C ØØØ2 ØØ68 '.|...h'
                                                                 #$ØØØ2,$ØØ68 (A4)
                      'p.'
  206
       ØØØ288: 7ØØ1
                                                                 #$Ø1,DØ
  207
       ØØØ28A: 4E75
                                  'Nu'
                                                     RTS
MOVE.B
  208
       ØØØ28C: 143C ØØ55
                                  יט.>.י
                                                                 #$ØØ55.D2
 209
       ØØØ29Ø: 611Ø
                                  'a.'
                                                                                    ; ØØØØØ2A2
                                                     BSR.S
                                                                 *+$ØØ12
                                                  MOVE.W
MOVE.B
       ØØØ292: 357C ØØØ1 ØØ1A '5|....'
  210
                                                                 #$ØØØ1,$ØØ1A(A2)
       ØØØ298: 197C ØØFF ØØ48 '.|...H'
  211
                                                                 #$ØØFF,$ØØ48 (A4)
                                                 AUVEQ
RTS
ORI.B
MOVE.B
CMP.P
 212
       ØØØ29E: 7ØØØ
                                                                 #$ØØ,DØ
 213
       ØØØ2AØ: 4E75
                                  'Nu'
       0002A2: 002C 0001 0060 '.,...'
0002A8: 122C 0078 '.,.x'
0002AC: B22A 0012 '.*.'
0002B0: 6706 'g.'
                                                                 #$ØØØ1,$ØØ6Ø(A4)
                                                                 $ØØ78(A4),D1
 216
                                                                 $ØØ12(A2),D1
 217
                                                                                 ; ØØØØØ2B8
                                                                 *+$ØØØ8
 218
       ØØØ2B2: 4A2A ØØ12
                                  'J*..'
                                                     TST.B
                                                                 $ØØ12 (A2)
                                                     BPL.S
ADDQ.W
 219
       ØØØ2B6: 6A1E
                                  'j.'
                                                                                    ; ØØØØØ2D6
                                                                 *+$ØØ2Ø
       ØØØ2B8: 546A ØØ14
  220
                                  'Īj..'
                                                                 #$2,$ØØ14(A2)
                                                     ANDI.B
MOVE.B
  221
       ØØØ2BC: Ø214 ØØE7
                                                                 #$ØØE7, (A4)
#$ØØFF,$ØØ18(A4)
       ØØØ2CØ: 197C ØØFF ØØ18 '.|....'
 222
                                                 MOVE.B
MOVE.B
ORI.B
                                 '.B.x'
 223
       ØØØ2C6: 1942 ØØ78
                                                                 D2,$ØØ78(A4)
 224
       ØØØ2CA: 197C ØØØ2 ØØ68 '.|...h'
                                                                 #$ØØØ2,$ØØ68 (A4)
                            '....'
 225
       ØØØ2DØ: ØØ14 ØØ1Ø
                                                                 #$ØØ1Ø, (A4)
                                  'Nu'
  226
       ØØØ2D4: 4E75
                                                      RTS
       ØØØ2D6: 357C ØØ38 ØØ14 '5|.8..'
                                                      MOVE.W
                                                                 #$ØØ38,$ØØ14(A2)
       ØØØ2DC: 42Ø2
                                  'B. '
                                                       CLR.B
                                                                 D2
```

```
5/28/91 12:53 PM
                                  HD:Lisa Device Drivers:SYSTEM.CD_PROFILE
                                                                                                           Page 4
        ØØØ2DE: ØC2A ØØØ2 ØØ13 '.*...'
                                                       CMPI.B
                                                                  #$ØØØ2,$ØØ13(A2)
  230
       ØØØ2E4: 6DD6
                                                       BLT.S
                                   'm.'
                                                                  *-$ØØ28
                                                                                    ; ØØØØØ2BC
       ØØØ2E6: 143C ØØ69
                                  '.<.i'
  231
                                                       MOVE.B
                                                                  #$ØØ69,D2
  232
       ØØØ2EA: 6ØDØ
                                                       BRA.S
                                                                  *-$ØØ2E
                                                                                    : ØØØØØ2BC
  233
       ØØØ2EC: ØØØ5 ØAØF
                                   '....
                                                       ORI.B
                                                                  #$ØAØF,D5
  234
       ØØØ2FØ: Ø4Ø9 ØEØ3
                                   1....
                                                                  #$ØEØ3,A1
                                                       SUBI.B
  235
       ØØØ2F4: Ø8ØD Ø2Ø7
                                                       BTST
                                                                  #$Ø2Ø7,A5
  236
       ØØØ2F8: ØCØ1 Ø6ØB
                                                       CMPI.B
                                                                  #$Ø6ØB, D1
  237
       ØØØ2FC: ØØØ5 ØAØF
                                                       ORI.B
                                                                  #$ØAØF,D5
  238
       ØØØ3ØØ: Ø4Ø9 ØEØ3
                                                       SUBI.B
                                                                  #$ØEØ3,A1
  239
       ØØØ3Ø4: Ø8ØD Ø2Ø7
                                                      BTST
                                                                  #$Ø2Ø7,A5
       ØØØ3Ø8: ØCØ1 Ø6ØB
  240
                                   '...'
                                                       CMPI.B
                                                                  #$Ø6ØB, D1
  241
       ØØØ3ØC: Ø213 ØØDF
                                                      ANDI.B
                                                                  #$ØØDF, (A3)
                                                   ORI.B
MOVE.B
LEA
MOVE.B
MOVE.B
MOVE.B
  242
       ØØØ31Ø: ØØ13 ØØ2Ø
                                                                  #$ØØ2Ø, (A3)
#$ØØØ8,$ØØ68(A4)
  243
       ØØØ314: 197C ØØØ8 ØØ68 '.|...h'
                                  'c...;
       ØØØ31A: 43EA ØØØA
ØØØ31E: 1959 ØØØ8
  244
                                                                  $ØØØA (A2), A1
  245
                                                                  (A1)+,$ØØØ8(A4)
       ØØØ322: 1959 ØØØ8
ØØØ326: 1959 ØØØ8
  246
                                                                  (A1) +, $ØØØ8 (A4)
(A1) +, $ØØØ8 (A4)
(A1) +, DØ
  247
                                   '.Y..'
                                                      MOVE.B
       ØØØ32A: 1Ø19
ØØØ32C: 4A2A ØØØ8
  248
                                                      MOVE.B
  249
                                   'J*..'
                                                       TST.B
                                                                  $ØØØ8 (A2)
                                                      BEQ.S
                                  'g.'
  250
       ØØØ33Ø: 6718
                                                                  *+$ØØ1A
                                                                                    ; ØØØØØ34A
  251
       ØØØ332: 72ØF
                                                      MOVEO
                                                                  #$ØF,D1
                                                                  DØ,D1
#$ØØFØ,DØ
  252
       ØØØ334: C24Ø
                                   '.0'
                                                      AND.W
  253
       ØØØ336: Ø2ØØ ØØFØ
                                                       ANDI.B
       ØØØ33A: 4A2A ØØ13
                                  'J*..'
'f.'
  254
                                                       TST.B
                                                                  $ØØ13(A2)
  255
       ØØØ33E: 66Ø6
                                                      BNE.S
                                                                  *+$ØØØ8
                                                                                    ; ØØØØØ346
       ØØØ34Ø: DØ3B 1ØAA
  256
                                  `;;';:'
                                                                  *-$ØØ54(D1.W),DØ ; ØØØØØ2EC
                                                       ADD.B
       ØØØ344: 6ØØ4
  257
                                                      BRA.S
                                                                  *+$ØØØ6 ; ØØØØØ34A
                                                      ADD.B
MOVE.B
                                                                  *-$ØØ4A(D1.W),DØ ; ØØØØØ2FC
  258
       ØØØ346: DØ3B 1ØB4
                                                                 DØ, $ØØØ8 (A4)
(A1) +, $ØØØ8 (A4)
(A1) +, $ØØØ8 (A4)
  259
       ØØØ34A: 194Ø ØØØ8
                                  '.0..'
  260
       ØØØ34E: 1959 ØØØ8
                                                      MOVE.B
MOVE.B
                                  '.Y..'
  261
       ØØØ352: 1959 ØØØ8
                                  '.Y..'
       ØØØ356: 4A2A ØØØA
ØØØ35A: 66ØE
                                  'J*..'
'f.'
  262
                                                                  $ØØØA (A2)
                                                       TST.B
  263
                                                      BNE.S
                                                                  *+$ØØ1Ø
  264
       ØØØ35C: 546A ØØ14
                                                     ADDQ.W
MOVE.B
                                                                  #$2,$ØØ14(A2)
       000360: 157C 0002 0012 '.|...'
000366: 6000 000E
  265
                                                                  #$ØØØ2,$ØØ12(A2)
  266
                                                                  *+$ØØ1Ø
                                                                                    ; ØØØØØ376
                                                     BRA
                                                     MOVE.W
MOVE.B
                                                                  #$ØØ1Ø,$ØØ14(A2)
#$ØØØ3,$ØØ12(A2)
  267
       ØØØ36A: 357C ØØ1Ø ØØ14 '5|....
       ØØØ37Ø: 157C ØØØ3 ØØ12 '.|....'
  268
  269
       ØØØ376: 7ØØ1
                                  'p.'
                                                       MOVEQ
                                                                  #$Ø1,DØ
       නිත්ත378: නි82C නිත්ත3 නිත්68 '.,..h'
නිත්ත37E: 67නි8 'g.'
නිත්ත38න්: 357C නි296 නින්1A '5|...'
                                                                  $$ØØØ3,$ØØ68(A4)
  270
                                                      BTST
  271
                                                     BEQ.S
MOVE.W
MOVEQ
                                                                  *+$ØØØA
                                                                                    ; ØØØØØ388
  272
                                                                  #$Ø296,$ØØ1A(A2)
                                  'p.'
  273
       ØØØ386: 7ØØØ
                                                                  #$ØØ,DØ
 274
                                                     ORI.B
       ØØØ388: ØØ14 ØØ18
                                                                  #$ØØ18, (A4)
  275
       ØØØ38C: 422C ØØ18
                                                                  $ØØ18 (A4)
                                                     RTS
CLR.B
  276
       ØØØ39Ø: 4E75
                                  'Nu'
                                  'B,..'
  277
       ØØØ392: 422C ØØ18
                                                                  $ØØ18 (A4)
                                                      ORI.B
  278
       ØØØ396: ØØ14 ØØ18
                                                                  #$ØØ18, (A4)
#$ØØDF, (A3)
                                  '....'
       ØØØ39A: Ø213 ØØDF
                                                      ANDI.B
       ØØØ39E: ØØ13 ØØ2Ø
  280
                                                      ORI.B
                                                                  #$ØØ2Ø, (A3)
       ØØØ3A2: 197C ØØØ8 ØØ68 '.|...h'
                                                     MOVE.B
LEA
MOVE.B
MOVE.B
  281
                                                                  #$ØØØ8,$ØØ68 (A4)
       ØØØ3A8: 43EA ØØ16
                             'c...'
  282
                                                                  $ØØ16(A2), A1
                                                                  $ØØØ8 (A4), (A1)
$ØØØ8 (A4), $ØØØ1 (A1)
  283
       ØØØ3AC: 12AC ØØØ8
                                                  MOVE.B
MOVE.B
MOVE.B
BTST
BNE.S
  284
       ØØØ3BØ: 136C ØØØ8 ØØØ1 '.1....
       ØØØ3B6: 136C ØØØ8 ØØØ2 '.1....'
  285
                                                                  $ØØØ8 (A4),$ØØØ2 (A1)
       ØØØ3BC: 136C ØØØ8 ØØØ3 '.1....'
                                                                  $ØØØ8 (A4),$ØØØ3 (A1)
       ØØØ3C2: Ø82C ØØØ3 ØØ68
  287
                                                                  #$ØØØ3,$ØØ68(A4)
       ØØØ3C8: 66Ø4
ØØØ3CA: 7ØØØ
  288
                                                                  *+$ØØØ6
                                                                                    ; ØØØØØ3CE
  289
                                                       MOVEQ
                                                                  #$ØØ,DØ
  290
       ØØØ3CC: 4E75
                                  'Nu'
                                                       RTS
       ØØØ3CE: 7ØØ1
  291
                                  'p.'
                                                       MOVEQ
                                                                  #$Ø1,DØ
 292
       ØØØ3DØ: 4E75
                                   'Nu'
                                                       RTS
  293
       ØØØ3D2: 61BE
                                  'a.'
                                                       BSR.S
                                                                  *-$ØØ4Ø
                                                                                ; ØØØØØ392
  294
       ØØØ3D4: 4A4Ø
                                  'J@'
                                                       TST.W
                                                                  DØ
 295
       ØØØ3D6: 661A
                                   'f.'
                                                       BNE.S
                                                                  *+$ØØ1C
                                                                                    ; ØØØØØ3F2
                                                                  *+$001C
#$0009,(A1)
       ØØØ3D8: ØC11 ØØØ9
 296
                                                       CMPI.B
 297
       ØØØ3DC: 671E
                                                       BEQ.S
                                                                  *+$ØØ2Ø
                                                                                    ; ØØØØØ3FC
 298
       ØØØ3DE: 2Ø3C C14Ø CØØØ ' <.@..'
                                                      MOVE.L
                                                                  #$C14ØCØØØ,DØ
 299
       ØØØ3E4: CØ91
                                  ٠..٠
                                                      AND.L
BEQ.S
                                                                  (A1), DØ
  300
                                                                                    ; ØØØØØ3FC
       ØØØ3E6: 6714
                                                                  *+$ØØ16
  301
       ØØØ3E8: 357C Ø28E ØØ1A '5|....'
                                                                  #$Ø28E,$ØØ1A(A2)
                                                      MOVE.W
       ØØØ3EE: 7ØØØ
                                  'p. '
 302
                                                       MOVEQ
                                                                  #$ØØ, DØ
                                  'Nu'
  303
       ØØØ3FØ: 4E75
                                                       RTS
       ØØØ3F2: 357C Ø296 ØØ1A '5|....'
  304
                                                       MOVE.W
                                                                  #$Ø296,$ØØ1A(A2)
```

## **♠** Apple Lisa Computer: ProFile HD Communications Protocol

, 20/ / I	12:53 PM	IID.LISA DEVI	Dilveis.5151E	M.CD_PROFILE		Page
305 306	0003F8: 7000 0003F8: 7000 0003FR: 7000 0003FC: 546A 0014 000400: 7001 000400: 7407 000408: 2049 000408: 2049 000408: 6122 00040C: 4218 00040E: 7402 000410: 611C 000412: 6116 000414: 7402 000414: 7402 000416: 6116 000418: 7601 00041C: B101 00041C: B101 00041C: B101 00041C: B101 00041C: 6108 00042C: 7401 00042C: 4275 000042C: 1012 000043C: 1012 000043C: 1012 000043C: 1012 000043C: 1012 000043C: 1012 000044C: 1020 000045C: 4218 000045C: 4218 000045C: 4218 000045C: 4218 000045C: 4218 000046C: 51CB FFF8 000046C: 51CB FFF8	'p.'	MOVEQ	#\$ØØ,DØ		
300	MMMSFA: 4E/5	'Nu'	RTS	100 0001 4 (20)		
307	0003FC: 546A 0014	Tj	ADDQ.W	#\$2,\$0014 (A2)		
308	000400: /001	`p. `	MOVEQ	#\$Ø1,DØ		
309	000402: 4E/5	· Nu ·	RTS			
310	000404: 2108	1/•1	MOVE.L	AØ, - (A7)		
311	000406: 7407	't.'	MOVEQ	#\$Ø7,D2		
312	ØØØ4Ø8: 2Ø49	' I'	MOVE.L	Al,AØ		
313	ØØØ4ØA: 6122	'a"'	BSR.S	*+\$ØØ24	; ØØØØØ42E	
314	ØØØ4ØC: 4218	'B.'	CLR.B	(AØ) +		
315	00040E: 7402	't.'	MOVEQ	#\$Ø2,D2		
316	ØØØ41Ø: 611C	'a.'	BSR.S	*+\$ØØ1E	; ØØØØØ42E	
317	ØØØ412: 4218	'B.'	CLR.B	(AØ) +		
318	ØØØ414: 74Ø2	't.'	MOVEO	#\$Ø2.D2		
319	ØØØ416: 6116	'a.'	BSR.S	*+\$ØØ18	: ØØØØØ42E	
320	ØØØ418: 76Ø1	'v.'	MOVEO	#SØ1.D3	•	
321	ØØØ41A: 1Ø12	111	MOVE B	(A2) . DØ		
322	ØØØ41C: B1Ø1	• 11 •	FOR B	Dø. D1		
323	ØØØ41E: 488Ø	'H. '	EXT.W	DØ		
324	000420: 30C0	'a' '	MOVE W	DØ (3Ø)+		
325	000422: 7401	1+ 1	MOVEO	#\$Ø1 D2		
326	000424: 6108	'a '	DCD C	*****	• <i>000000</i> 42F	
327	000126. 51CD FFF2	10 1	DOK.O	אממממר דייים אוניים אוניים איניים איניים הדקומים איניים איני	, WWWWW4ZE	
320	GOOM 23. 20EF		NOTE T	υ3,~~\$0000C (3.7) ± 3.0	; WWWWATA	
320	MOMMAC. ATTE	1 37	MOVE.L	(A /) +, AØ		
227	MANAGE 1410	Nu .	RTS	(30) 50		
330	00042E: 1012	[**]	MOVE.B	(A2),DØ		
331	9090430: B101		EOR.B	DØ,D1		
332	000432: 10C0		MOVE.B	DØ, (AØ) +		
333	000434: 51CA FFF8	'Ω'	DBF	D2,*-\$ØØØ6	; ØØØØØ42E	
334	ØØØ438: 4E75	'Nu'	RTS			
335	ØØØ43A: 2Ø49	' I'	MOVE.L	Al,AØ		
336	ØØØ43C: 1Ø12	''	MOVE.B	(A2),DØ		
337	ØØØ43E: B1Ø1	''	EOR.B	DØ,D1		
338	ØØØ44Ø: 14ØØ	·•	MOVE.B	DØ,D2		
339	ØØØ442: Ø2ØØ ØØØF	''	ANDI.B	#\$ØØØF.DØ		
340	ØØØ446: 1ØCØ		MOVE.B	DØ. (AØ) +		
341	ØØØ448: 1Ø12	• 11 •	MOVE.B	(A2) . DØ		
342	ØØØ44A: B1Ø1	• •	FOR B	DØ. D1		
343	ØØØ44C: 1ØCØ	• • • • • • • • • • • • • • • • • • • •	MOVE B	DØ. (AØ) +		
344	00044E: 0202 00F0	, , ,	ANDT B	#SOOFO D2		
345	ØØØ452: 1ØC2	• • • • • • • • • • • • • • • • • • • •	MOVE B	D2 (AØ)+		
346	000454: 4218	'Ř',	CIR R	(AØ) +		
347	000456: 7403	'÷'''	MOVEO	# \$ 013 D 2		
348	000458 · 61D4	13.1	DCD C	*-\$882X	• 000000012F	
340	000450. 0104	1 1	MOVEO	# - \$662A	, www.waze	
350	00045A. 7001	٧.	MOVEQ	#301,U3		
350	00045C: 4216	В.	CLK.B	(AØ) +		
331	00045E: /402	τ.	MOVEQ	#\$62,D2		
352	000460: 61CC	'a.'	BSR.S	*-\$ØØ32	; ØØØØØ42E	
353	000462: 51CB FFF8	'Ω'	DBF	D3,*-\$ØØØ6	; ØØØØØ45C	
354	000466: /601	'v.'	MOVEQ	#\$Ø1,D3		
355	000468: 1012	<b>''</b>	MOVE.B	(A2),DØ		
356	ØØØ46A: B1Ø1	<b>''</b>	EOR.B	DØ,D1		
357	ØØØ46C: 488Ø	'H.'	EXT.W	DØ		
359		't.'	MOVEQ	#\$Ø1,D2		
360	ØØØ472: 61BA	'a.'	BSR.S	*-\$ØØ44	; ØØØØØ42E	
361	ØØØ474: 51CB FFF2	'Q'	DBF	D3,*-\$ØØØC	; ØØØØØ468	
362	ØØØ478: 1Ø12	17.1	MOVE.B	(A2),DØ		
363		1	EOR.B	DØ, D1		
364		'.e'	MOVE.B	DØ,\$ØØØ3 (A1)		
365		''	MOVE.B	(A2),DØ		
366		•	EOR.B	DØ, D1		
367		'Nu'	RTS	DD, D1		
368		't?'		#\$3F,D2		
369		1	MOVEQ	· · · · · · · · · · · · · · · · · · ·		
			MOVE.B	(A2),DØ		
370		···:	EOR.B	DØ, D1		
371		· · · !	MOVE.B	DØ, (AØ)+		
372		' · · '	MOVE.B	(A2),DØ		
373		1	EOR.B	DØ,D1		
374		1	MOVE.B	DØ, (AØ)+		
375	ØØØ494: 1Ø12	''	MOVE.B	(A2),DØ		
376	ØØØ496: B1Ø1	1	EOR.B	DØ, D1		
377		1	MOVE.B	DØ, (AØ)+		
378			MOVE.B	(A2),DØ		
379		, ,	EOR.B	DØ, D1		
380		• • •	MOVE.B	DØ, (AØ) +		
	PPDTJE: INCH		PIOVEAD	דושמו ושע		

, ,				1110	Lisa Device Drivers:SYS  MOVE.E  MOVE.I  MOVE.	L.VI.CD_I NOI ILL		Page
381	ØØØ4AØ:	1Ø12			MOVE.E	(A2), DØ		
382	9994A2:	BIØI		<u>'</u>	EOR.B	DØ, D1		
351 202	OWOAAA:	1012			MOVE.E	DØ, (AØ) +		
385	OGGAAAQ:	B101			MOVE.E	(AZ),DØ		
386	0004AA .	1000		•	EUR.B	דע, שע דע, שע		
387	ØØØ4AC:	1Ø12			' MOVE E	(A2) DO		
388	ØØØ4AE:	B1Ø1		•	, EUD B	מע, ומב,		
389	ØØØ4BØ:	1ØCØ		• •	' MOVE F	DØ. (AØ) +		
390	ØØØ4B2:	1Ø12		, .	' MOVE.E	(A2) . DØ		
391	ØØØ4B4:	B1Ø1		• •	' EOR.B	DØ, D1		
392	ØØØ4B6:	1øcø		•	' MOVE.E	DØ, (AØ)+		
393	ØØØ4B8:	51CA	FFCE	¹ Q.	' DBF	D2,*-\$ØØ3Ø	; ØØØØØ488	
394	ØØØ4BC:	4E75		' Nu	' RTS			
395	ØØØ4BE:	2244		• "!	' MOVE.I	D4,A1		
396	9994C9:	2069	ØØØ8		MOVE.I	\$ØØØ8 (A1), AØ		
391	0004C4:	DIEA	0010		ADDA.I	\$0010(A1),A0		
390	0004C0:	2209 2003	טממש		MOVE.I	\$000C(A1),A1		
400	0004CF ·	45FC	00000	10	MOVE.I	6 A2, - (A1)		
401	ØØØ4D2 •	7200	סטטט		· LEA	#\$ <i>00</i> 0 D1		
402	ØØØ4D4 ·	6100	FF2E	. ا د ا	HOVEQ	*-SØØDØ	· ØØØØØØØ	
403	ØØØ4D8:	61AC		د'	' RCD C	*-50052	. 000000404	
404	ØØØ4DA:	245F		' \$	' MOVE I	(A7)+. A2	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
405	ØØØ4DC:	7000		'n'	' MOVEO	#\$ØØ.DØ		
406	ØØØ4DE:	4A29	øøø6	· J	' TST.B	\$ØØØ6 (A1)		
407	ØØØ4E2:	6C16		'1	' BGE.S	*+\$ØØ18	; ØØØØØ4FA	
408	ØØØ4E4:	4229	ØØØD	'B)	' CLR.B	\$ØØØD (A1)		
409	ØØØ4E8:	Ø229	ØØ7F (	øøø6 '.)	' ANDI.E	#\$ØØ7F,\$ØØØ6 (A1)		
410	0004EE:	4AØ1		<b>'</b> J.	TST.B	D1		
411	0004FØ:	67Ø8	BD 4.5	'g	BEQ.S	*+\$ØØØA	; ØØØØØ4FA	
412	0000412:	35/C	ED69	PI ATOM	.1 MOVE.W	#\$FD69,\$ØØ1A(A2)		
414	OCCAPT -	4E/5	aaaa a	'Ni	RTS	Legggs bases of		
415	0000500.	86E0	ן בששש	י ב מסמש	n BTST	# \$0003, \$0068 (A4)	. <i>aaaaaa</i> aa	
416	000500:	OC 23	alasa a	0016 I	BNE.S	**************************************	; 1010101014EZ	
417	ØØØ5Ø8•	67F8	ו לששש	יי, סדמים ∼י	CMP1.E	*-\$0016 (A2)	• 0000001E2	
418	ØØØ5ØA •	4267		ים. יםי	י כום ש	- (A7)	, 200000452	
419	ØØØ5ØC:	2FØ4		1/	MOVE T	- (A/) D4 (A/)		
420	ØØØ5ØE:	4EBA	FBF2	'N'	JSR	*-SØ4ØC	: ØØØØØ1 Ø2	
421	ØØØ512:	355F	ØØ1A	15	' MOVE W	(A7)+, SØØ1A(A2)	,	
422	ØØØ516:	67Ø4		'a	' BEO.S	*+\$ØØØ6	; ØØØØØ51C	
423	ØØØ518:	7øøø		'و' '	' MOVEQ	#\$ØØ,DØ	- · · · · · <del></del>	
424	ØØØ51A:	4E75		' Ñı	' RTS	-		
425	ØØØ51C:	52AA	ØØØA	'R	' ADDQ.I	#\$1,\$ØØØA(A2)		
426	ØØØ52Ø:	2Ø44		' 1	' MOVE.I	D4,AØ		
427	ØØØ522:	4A68	ØØ14	' រា	' TST.W	\$ØØ14 (AØ)		
428	ØØØ526:	67ØA	aa	'g	BEQ.S	*+\$ØØØC	; ØØØØØ532	
429	ØØØ528:	357C	ØØØ2 (	0014 '5	' MOVE.W	#\$ØØØ2,\$ØØ14(A2)		
430	MANAGE 24	1001 AB25		'p	MOVEQ	#\$Ø1,DØ		
433 43T	000530: 000532:	45/3 4523	aaaa -	'Ni	RTS	160000 60017 (TO)		
425	ØØØ538:	860A	2 ששש	'f.' 11000	BTST	#\$ØØØ2,\$ØØ17(A2)	. aaaaassa	
434	ØØØ53A:	70000		'I'	' BNE.S	*+\$ØØØ6 #\$ØØ DØ	; ØØØØØ53E	
435	ØØØ53C:	4E75		' Ni	MOVEQ RTS	<b>‡</b> \$ØØ,DØ		
436	ØØØ53E:	3570	aasc 4	010114 15	' MOVE.W	#\$ØØ2C,\$ØØ14(A2)		
437			2220	р' 'р'		#\$002C,\$0014 (A2) #\$01,D0		
	ØØØ546:			Nı Nı		1701,00		
	ØØØ548:				' MOVE.I	D4,A1		
440	ØØØ54A:	2Ø69			' MOVE.I			
	ØØØ54E:				' ADDA.I			
442	ØØØ552:	2269		1 " :	' MOVE.I			
	ØØØ556:			* **				
	ØØØ558:			_	' MOVEQ			
	ØØØ55A:			•				
	ØØØ55C:				' EOR.L	DØ,D1		
	ØØØ55E:		FFFA		' DBF		; ØØØØØ55A	
	ØØØ562:			't.		#\$7F,D2		
	ØØØ564:			'Ø				
	ØØØ566:				' ANDI.W	#\$ØØØ1,DØ		
	ØØØ56A:			'g	BEQ.S		; ØØØØØ57C	
	ØØØ56C:		Ø1FF		MOVE.E			
	ØØØ57Ø:			<u>'</u>		DØ, D1		
	ØØØ572:							
	ØØØ574: ØØØ576:					-		
	VIVIVIT (B.	SETR		'Ø	' MOVE.W	(AØ)+,DØ		

```
5/28/91 12:53 PM
                                                      HD:Lisa Device Drivers:SYSTEM.CD_PROFILE
            ØØØ578: B141
            ØØØ57A: 5342
                                                       'SB'
                                                                                        SUBQ.W
                                                                                                         #$1,D2
   458
            ØØØ57C: 2Ø18
                                                                                        MOVE.L
                                                                                                         (AØ) + , DØ
   459
                                                                                        EOR.L
   460
            ØØØ57E: B181
                                                                                                         DØ,D1
                                                                                                         D2,*-$ØØØ4
                                                                                                                                      ; ØØØØØ57C
                                                       'Q...'
   461
            ØØØ58Ø: 51CA FFFA
                                                                                        DBF
    462
            ØØØ584: 3ØØ1
                                                       'Ø.'
                                                                                        MOVE.W
                                                                                                         D1,DØ
                                                       'HA'
            ØØØ586: 4841
                                                                                      SWAP
    463
                                                                                                         D1
                                                         MOVE.W
EOR.B
RTS
.<.U' MOVE.B
BSR
.U' CMPI.B
BNE.S
BSR.S
,..h' BTST
BEQ.S
.MOVE.B
..h' MOVE.B
..h' BSR
..h' 
    464
            ØØØ588: B141
                                                       '.A'
                                                                                       EOR.W
                                                                                                         DØ, D1
                                                                                                         D1, $ØØ1Ø(A2)
            ØØØ58A: 3541 ØØ1Ø
    465
                                                       '5A..'
                                                                                      MOVE.W
                                                       '.*..'
'Nu'
                                                                                     EOR.B
RTS
            ØØØ58E: B32A ØØ1Ø
                                                                                                         D1, $ØØ1Ø (A2)
   466
    467
            ØØØ592: 4E75
            ØØØ594: 143C ØØ55
                                                       י.<.טי
    468
                                                                                                                                      ; ØØØØØ2A2
    469
            ØØØ598: 61ØØ FDØ8
                                                       'a...'
    470
            ØØØ59C: ØCØ2 ØØ55
                                                       יט...י
                                                                                                         *+$ØØ1C
*-$ØØ5A
            ØØØ5AØ: 661A
                                                                                                                                      ; ØØØØØ5BC
   471
                                                       'f.'
                                                       'a.'
                                                                                                                                       ; ØØØØØ548
    472
            ØØØ5A2: 61A4
            0005A4: 082C 0001 0068 '.,...h'
0005AA: 6710 'g.'
                                                                                                         $$ØØØ1,$ØØ68(A4)
   473
                                                                                                                                      ; ØØØØØ5BC
                                                                                                         *+$ØØ12
    474
                                                                                                         #$ØØØ1,$ØØ27(A2)
#$ØØØ2,$ØØ68(A4)
             ØØØ5AC: 157C ØØØ1 ØØ27 '.|...''
   475
    476
             ØØØ5B2: 197C ØØØ2 ØØ68 '.|...h'
             ØØØ5B8: 7ØØ1
            ØØØ5BA: 4E75
    478
                                                        'B*.''
            ØØØ5BC: 422A ØØ27
    479
                                                                                                        #$0001,$001A(A2)
#$00FF,$0048(A4)
    480
            ØØØ5CØ: 357C ØØØ1 ØØ1A '5|....'
            ØØØ5C6: 197C ØØFF ØØ48 '.|...H'
    481
                                                       'p.'
'Nu'
            ØØØ5CC: 7ØØØ
    482
    483
            ØØØ5CE: 4E75
                                                        'J*.''
    484
             ØØØ5DØ: 4A2A ØØ27
                                                                                                         *+$ØØØ6
*-$ØØ8E
    485
            ØØØ5D4: 66Ø4
                                                        'f.'
                                                                                                                                      ; ØØØØØ5DA
                                                      ...p'
    486
            ØØØ5D6: 61ØØ FF7Ø
                                                                                                                                      ; ØØØØØ548
    487
            ØØØ5DA: 122A ØØ1Ø
                                                                                                         $ØØ1Ø(A2),D1
            ØØØ5DE: 2244
    488
                                                       ' i..'
                                                                                                         $ØØØ8 (A1), AØ
    489
            ØØØ5EØ: 2Ø69 ØØØ8
    490
            ØØØ5E4: D1E9 ØØ1Ø
                                                                                                         $ØØ1Ø(A1),AØ
                                                       '"i..'
            ØØØ5E8: 2269 ØØØC
    491
                                                                                                         $ØØØC(A1), A1
    492
             ØØØ5EC: Ø214 ØØF7
                                                                                                         #$ØØF7, (A4)
    493
             ØØØ5FØ: 197C ØØFF ØØ18 '.|....'
                                                                                                         #$ØØFF,$ØØ18(A4)
                                               ....;
                                                                                                         #$ØØDF, (A3)
#$ØØ2Ø, (A3)
    494
             ØØØ5F6: Ø213 ØØDF
    495
            ØØØ5FA: ØØ13 ØØ2Ø
            0005FE: 197C 0008 0068 '.|...h'
000604: 2F0A '/.'
    496
                                                                                                        #$ØØØ8,$ØØ68(A4)
    497
                                                       É...
            ØØØ6Ø6: 45EC ØØØ8
    498
                                                                                                         $ØØØ8 (A4), A2
                                                                                                         *+$ØØB4 ; ØØØØØØ6BE
*+$ØØ78 ; ØØØØØ686
    499
            ØØØ6ØA: 61ØØ ØØB2
                                                        'a...'
    500
             ØØØ6ØE: 6176
                                                       'av'
                                                       '$_'
'`-.6'
                                                                                                         *+$ØØ38
    501
            ØØØ61Ø: 245F
    502
            ØØØ612: 6ØØØ ØØ36
                                                                                                                                     ; ØØØØØØ64A
            ØØØ616: 2244
                                                        ' "D'
    503
                                                        ' i..'
            ØØØ618: 2Ø69 ØØØ8
    504
                                                                                                         $ØØØ8(A1),AØ
    505
            ØØØ61C: D1E9 ØØ1Ø
                                                                                                         $ØØ1Ø(A1),AØ
    506
             ØØØ62Ø: 2269 ØØØC
                                                                                                         $ØØØC(A1),A1
    507
             ØØØ624: Ø214 ØØF7
                                                                                                         #$ØØF7, (A4)
            ØØØ628: 197C ØØFF ØØ18 '.|...'
ØØØ62E: Ø213 ØØDF '....'
ØØØ632: ØØ13 ØØ2Ø '...'
    508
                                                                                                        #$ØØFF,$ØØ18 (A4)
    509
                                                                                                        #$ØØDF, (A3)
                                                                                                         #$ØØ2Ø, (A3)
#$ØØØ8,$ØØ68(A4)
    510
             ØØØ636: 197C ØØØ8 ØØ68 '.|...h'
    511
                                              '/.
    512
             ØØØ63C: 2FØA
    513
             ØØØ63E: 45EC ØØØ8
                                                       'E...'
                                                                                                         $ØØØ8 (A4), A2
                                                                                                         *+$ØØ5A ; ØØØØØ718
                                                                                                                                      ; ØØØØØ69C
    514
             ØØØ642: 6158
                                                       'aX'
                                                                                  BSR.
MOVE.L
BTST
BEQ.S
CLR.B
                                                       'a...'
    515
             ØØØ644: 61ØØ ØØD2
             ØØØ648: 245F
   516
                                                                                                          (A7) + A2
             ØØØ64A: Ø82C ØØØ3 ØØ68 '.,...h'
    517
                                                                                                          #$ØØØ3,$ØØ68(A4)
                                              'g.'
                                                                                                                                 ; ØØØØØ664
    518
             ØØØ65Ø: 6712
                                                                                                          *+$ØØ14
             ØØØ652: 422C ØØ18
                                                                                                          $ØØ18 (A4)
                                                                                                         #$ØØØ8, (A4)
#$Ø296,$ØØ1A(A2)
    520
             ØØØ656: ØØ14 ØØØ8
                                                                                        ORI.B
                                                                                      MOVE.W
    521
             ØØØ65A: 357C Ø296 ØØ1A '5|....'
             ØØØ66Ø: 7ØØØ
ØØØ662: 4E75
    522
                                                                                       MOVEQ
                                                                                                         #$ØØ, DØ
                                                        'Nu'
    523
                                                                                        RTS
                                                        'B,..'
                                                                                     CLR.B
    524
             ØØØ664: 422C ØØ18
                                                                                                          $ØØ18 (A4)
    525
             ØØØ668: ØØ14 ØØØ8
                                                                                    Okı...
CLR.W
                                                                                                         #$ØØØ8, (A4)
    526
             ØØØ66C: 4267
                                                        'Bg'
                                                                                                          -(A7)
                                                                              MOVE.L
JSR
MOVE.W
MOVE.B
ADDQ.W
                                                                                                         D4,-(A7)
*-$Ø56E
    527
             ØØØ66E: 2FØ4
                                                        1/.1
                                                       'N...'
'5_..'
             ØØØ67Ø: 4EBA FA9Ø
                                                                                                                                       ; ØØØØØ1Ø2
    528
                                                                                                          (A7)+,$ØØ1A(A2)
    529
             ØØØ674: 355F ØØ1A
    530
             ØØØ678: 157C ØØØ6 ØØ12 '.\(\overline{\bar{1}}\)....'
                                                                                                          #$ØØØ6,$ØØ12(A2)
             ØØØ67E: 546A ØØ14
                                                        'Tj..'
                                                                                                          #$2,$ØØ14(A2)
                                                        'p.'
             ØØØ682: 7ØØ1
                                                                                         MOVEQ
                                                                                                          #$Ø1,DØ
```

## **♠** Apple Lisa Computer: ProFile HD Communications Protocol

	12:53 PM		nu;Lisa Devi	ice Drivers:SYSTE	M.CD_PKOFILE		Page
533	ØØØ684:	4E75	'Nu'	RTS			
534	ØØØ686: ØØØ688: ØØØ68A:	7Ø7F	'p.'	MOVEQ	#\$7F,DØ		
535	ØØØ688:	1498	'Nq' 'Nq' 'Nq'	MOVE.B	$(A\emptyset) +, (A2)$		
536	ØØØ68A:	4E71	'Nq'	NOP			
537	ØØØ68C: ØØØ68E: ØØØ69Ø:	1498	'''	MOVE.B	(AØ) +, (A2)		
538	ØØØ68E:	4E71	'Ng'	NOP			
539	ØØØ69Ø:	1498	• <del>.</del> •	MOVE.B	(AØ) +, (A2)		
540	ØØØ692:	4E71	'Ng'	NOP	(/ / (/		
541	ØØØ694:	1498	1	MOVE . B	(AØ) +, (A2)		
542	ØØØ696:	51C8 FF	FFØ 'Q'	DBF	DØ, *-\$ØØØE	; ØØØØØ688	
543	ØØØ69A:	4E75	'Nu'	RTS	, ,,,,,,,	, 22222000	
544	ØØØ69C:	72ØØ	'r.'	MOVEQ	#\$ØØ,D1		
545	ØØØ69E:	7Ø7F	'p.'	MOVEQ	#\$7F,DØ		
546	ØØØ6AØ:	1418	• • • • • • • • • • • • • • • • • • • •	MOVE.B	(AØ) +, D2		
547	ØØØ6A2:	B5Ø1	· •	EOR.B	D2,D1		
548	ØØØ6A4:	1482	''	MOVE.B	D2, (A2)		
549	ØØØ6A6:	1418	1	MOVE.B	(AØ) +, D2		
550	ØØØ6A8:	B5Ø1	1111	EOR.B	D2, D1		
551	ØØØ6AA:	1482	1111	MOVE.B			
552	ØØØ6AC:	1418	+ 11 +	MOVE.B	(AØ) +, D2		
553	ØØØ6AE:	B5Ø1	•	EOR.B	D2, D1		
554	ØØØ6BØ:	1482	•	MOVE.B	D2, (A2)		
555	ØØØ6B2:	1418	• • • • • • • • • • • • • • • • • • • •	MOVE.B	(AØ) +, D2		
556	ØØØ6B4:	B5Ø1	•	EOR.B	D2, D1		
557	ØØØ6B6:	1482	PFØ 'Q' 'Nu' 'r.' 'p.' '' '' ''	MOVE. B	D2, (A2)		
558	ØØØ6B8:	51C8 FF	E6 'Q'	DBF	DØ, *-\$ØØ18	• 000000510	
559	ØØØ6BC:	4E75			J., YDD10	, DEDUDOTAD	
560	ØØØ6BE:	1429 ØØ	5Ø8 '.\'	MOVE.B	\$ØØØ8(A1),D2		
561	ØØØ6C2:	B5Ø1	1,1	EOR.B	D2,D1		
562	ØØØ6C4:	1429 Ø	øc ;;;.·	MOVE.B	\$ØØØC(A1),D2		
563	ØØØ6C8:	B5Ø1	,,,,	EOR.B	D2,D1		
564	ØØØ6CA: ØØØ6CE:	1429 00	98C	MOVE.B	\$ØØ1Ø(A1),D2		
565	ØØØ6CE:	B5Ø1	,,,,	EOR.B	D2,D1		
566	øøø6Dø:	1429 00	114 1 1	MOVE.B			
567	ØØØ6D4:	B5Ø1	114	EOR.B			
568	addene.	7405	,	MOVEO	D2,D1		
569	addeps.	1499	, . ,	MOVEQ	#\$Ø5,D2		
570	addens.	51CA FF	FC 'Q' 'm.' '8ø ''	DBF	(A1)+, (A2)		
571	ØØØ6DA: ØØØ6DE:	1410		DRI-		; തരത്തെലെ	
	ØØØ6EØ:		1	MOVE.B	(A1)+,D2		
573	agaer2.	Ø11 Ø	180 1 1	DLI.S	*+\$ØØØA	; ØØØØØ6EA	
574	ØØØ6E2: ØØØ6E6:	00002 00	1801	ORI.B	#\$ØØ8Ø,D1		
575	ØØØ6EA:	1482	''	MOVE.B	#\$ØØ8Ø,D2 D2,(A2)		
576	ØØØ6EC:	4E71	'No'	NOP	DZ, (RZ)		
577	ØØØ6EE: ØØØ6FØ: ØØØ6F2: ØØØ6F4:	4E71	'Nq'	NOP			
578	ØØØ6FØ:	1499	''	MOVE.B	/31\± /32\		
579	ØØØ6F2:	6116	'a.'	BSR.S	(A1)+, (A2) *+\$ØØ18		
580	ggger4 ·	3410	'4.'			; ØØØØØ7ØA	
581	ØØØ6F6:	B5Ø1	''	MOVE.W	(A1)+,D2		
			1.1	EOR.B	D2,D1		
	ØØØ6FA:			MOVE.B	D1, (A2)		
	ØØØ6FC:		'Nq'	NOP			
	ØØØ6FE:		'Nq'	NOP NOVE B	(31) / (30)		
	ØØØ7ØØ:		1	MOVE.B	(A1) +, (A2)		
	ØØØ7Ø2:		'Nq'	NOP	(3.1) ( (3.0)		
	ØØØ7Ø4:		<u>''</u>	MOVE.B	(A1)+, (A2)		
			'a.'	BSR.S	*+\$ØØØ6	; ØØØØØ7ØA	
	ØØØ7Ø6:		'a.'	BSR.S	*+\$ØØØ4	; ØØØØØ7ØA	
	ØØØ7Ø8:		'Nu'	RTS	***		
	ØØØ7ØA:		'RI'	ADDQ.W	#\$1,A1		
	ØØØ7ØC:		<b>!!</b>	MOVE.B	(A1) +, (A2)		
	ØØØ7ØE:		'Nq'	NOP			
	ØØØ71Ø:		:.·:	MOVE.B	(A1) +, (A2)		
	ØØØ712:		'Nq'	NOP			
	ØØØ714:		<u>::</u>	MOVE.B	(A1) +, (A2)	_	
	ØØØ716:		'Nu'	RTS			
	ØØØ718:			MOVE.B	(A1) + D2		
	ØØØ71A:			ANDI.B	#\$ØØØF,D2		
	ØØØ71E:			MOVE.B	\$ØØØ1(A1),DØ		
	ØØØ722:			ANDI.B	#\$ØØFØ,DØ		
	ØØØ726:		<b>''</b>	OR.B	DØ, D2		
	ØØØ728:		<b>''</b>	EOR.B	D2,D1		
604	ØØØ72A:	1482	11	MOVE.B	D2, (A2)		
	øøø72C:	1419	1	MOVE.B	(A1)+,D2		
605	ØØØ72E:	B5Ø1	11	EOR.B	D2, D1		
	DDD / ZE.						
606	ØØØ73Ø:	1482	''	MOVE.B	D2, (A2)		

## **♠** Apple Lisa Computer: ProFile HD Communications Protocol

	12:53 PM					M.CD_PROFILE  (A1) +, DØ (A1) +, DØ (A1) +, D2 D2, D1 D2, (A2) (A1) +, D2 D2, D1 D2, (A2) (A1) +, D2 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		Pag
609	ØØØ734:	1Ø19		<b>''</b>	MOVE.B	(A1)+,DØ		
610	ØØØ736:	1419		''	MOVE.B	(A1)+,D2		
611	ØØØ738:	B5Ø1		''	EOR.B	D2,D1		
612	ØØØ73A:	1482		''	MOVE.B	D2, (A2)		
613	ØØØ73C:	1419		1	MOVE.B	(A1) + D2		
614	ØØØ73E:	B5Ø1		''	EOR.B	D2,D1		
615	ØØØ74Ø:	1482		1	MOVE.B	D2, (A2)		
616	ØØØ742:	1419		1	MOVE.B	(A1) + D2		
617	ØØØ744:	ØØØ2 ØØ	18Ø	''	ORI.B	#\$ØØ8Ø.D2		
618	ØØØ748:	B5Ø1			EOR.B	D2.D1		
619	ØØØ74A:	1482		1	MOVE.B	D2, (A2)		
620	ØØØ74C:	1419		11	MOVE . B	(A1)+.D2		
621	ØØØ74E:	B5Ø1		1	EOR.B	D2.D1		
622	ØØØ75Ø:	1482		,	MOVE . B	D2. (A2)		
623	ØØØ752:	6112		'a.'	BSR.S	*+SØØ14 :	ggggg766	
624	ØØØ754:	611Ø		'a.'	BSR.S	*+\$ØØ12 :	ggggg766	
625	ØØØ756:	61ØE		'a.'	BSR.S	*+\$ØØ1Ø	ggggg766	
626	ØØØ758:	61ØC		'a.'	BSR.S	*+\$@@@E	99999766	
627	ØØØ75A:	B1Ø1		17.1	EOR.B	DØ.D1	DDDDDTTT	
628	ØØØ75C:	148Ø			MOVE. B	DØ. (A2)		
629	ØØØ75E:	4E71		'Na'	NOP	, ,,		
630	ØØØ76Ø:	4E71		'Ng'	NOP			
631	ØØØ762:	1481		1	MOVE B	D1 . (A2)		
632	ØØØ764:	4E75		'Nu'	RTS	/ \/		
633	ØØØ766:	5249		'RI'	YUUU M	#\$1 A1		
634	ØØØ768:	1419		+ 7.7	WULL D	(A1) + D2		
635	ØØØ76A:	B5ø1		1	EUB B	D2 D1		
636	ØØØ76C:	1482		1	MOVE B	D2 (A2)		
637	ØØØ76E:	1419		1	MOVE B	/A1) + D2		
638	ØØØ77Ø:	B5Ø1		1	EUD B	N2 N1		
639	ØØØ772:	1482		, ,	MOVE B	D2 (32)		
640	000774:	1419		,	MOVE B	(31) ± D2		
641	000776:	B5Ø1		, ,	EOD D	D2 D1		
642	000778	1482		, ,	MOVE D	02,01		
643	000773	4E75		' Nu '	MOVE.B	UZ, (MZ)		
644	00077C	2014		י חי	MOITE T	D4 34		
645	000775	4128 WW	11 6	יט י	MOVE.L	04,80 50016/30		
646	000715:	570C	, T Q	· ( ·	TST.B	\$10010 (A0)	444447.	
647	0000794	SACT MA	81 <i>A</i>	g.	BEQ.S	*+\$000E ;	www.000	
640	000704:	4227 42	14	13	ADDQ.W	#\$2,\$0014(A2)		
640	00079C	7001	NUA	· ·	CLR.B	>000A (A2)		
650	00070C:	AE75		p.	MOAEG	# DO TING		
651	000705	35/3 5233 44	1/3/N	NU '	KTS	161 60003 (36)		
652	0001701	2011 A	, NA		ADDQ. L	# \$ 1 , \$ 0000A (AZ)		
653	000706	7760 WW	11 <i>4</i>	יש	MOVE.L	04,A0		
654	0000130:	200 DD	.T.4	on	TST.W	30014 (A0)	******	
65F	MANUEL YA:	0/ØA	(d) de .	g.	BEQ.S	*+\$ØØØC ;	ØØØØØ7 <b>A</b> 6	
653	MANUTEC:	33/C 00	NO 2 10 10 14	۰,۰۰۰	MOVE.W	#\$ØØØ2,\$ØØ14(A2)		
050	9090/AZ:	1001		'p.'	MOVEQ	#\$Ø1,DØ		
65/	2020/A4:	4E/5		'NU'	RTS			
658	2022/A6:	662A ØØ	162 ØØ17	`.*'	BTST	#\$ØØØ2,\$ØØ17(A2)		
659	999/AC:	66Ø4		'f.'	BNE.S	*+\$ØØØ6 ;	ØØØØØ7B2	
660	ØØØ7AE:	1000		'p.'	MOVEQ	#\$ØØ,DØ		
661	øøø7Bø:	4E75		'Nu'	RTS			
662	ØØØ7B2:	357C ØØ	2C ØØ14					
663				'p.'	MOVEQ	#\$Ø1,DØ		
	ØØØ7BA:			'Nu'	RTS			
665	øøø7BC:		ø8	'A'	LEA	\$ØØØ8 (A4), AØ		
	øøø7cø:			'r.'	MOVEQ	#\$ØØ,D1		
667			Ø2 ØØ13	'.*'	CMPI.B	#\$ØØØ2,\$ØØ13(A2)		
668	øøø7c8:			'g.'	BEQ.S		ØØØØØ7DA	
669	ØØØ7CA:			'ap'	BSR.S		ØØØØØ83C	
670	øøø7cc:	343C Ø1	FF	' 4<'	MOVE.W	#\$Ø1FF,D2		
671	øøø7Dø:			11	MOVE.B	(AØ),DØ		
672				1	EOR.B	DØ, D1		
673	ØØØ7D4:	51CA FF	FA	'Q'	DBF		øøøøø7Dø	
				15.1	BRA.S		ØØØØØ7E8	
675	ØØØ7DA:		FF	'4<'	MOVE.W	#\$Ø1FF,D2		
676	ØØØ7DE:		_ <del>-</del>	11	MOVE.B	(AØ),DØ		
677	ØØØ7EØ:			·	EOR.B	DØ, D1		
678	ØØØ7E2:			'Q'	DBF	**	aaaaa7DF	
679	ØØØ7E6:		* 63	'an'			ØØØØØ7DE ØØØØØ856	
680	ØØØ7E8:			'J.'	BSR.S	The second secon	ØØØØØ856	
681	ØØØ7EA:			'1.'	TST.B	D3	aaaaaaa	
					BGE.S		ØØØØØ7FA	
	ØØØ7EC:			'J.'	TST.B	D1	aaaac===	
	ØØØ7EE:		~~	'g.'	BEQ.S		ØØØØØ7FA	
	WWW/FØ:	35/C FD	169 ØØ1A	'5 .i'	MOVE.W	#\$FD69,\$ØØ1A(A2)		

					III.LISA DEVIC	C DIIVEIS.S I S I E	#\$ØØ,DØ  #\$ØØØ3,\$ØØ68(A4) *-\$ØØ1Ø #\$ØØØ9,\$ØØ16(A2) *-\$ØØ18 #\$1,\$ØØØA(A2) D4,AØ \$ØØ14(AØ) *+\$ØØ12 #\$ØØ01,\$ØØØA(A2) #\$ØØ02,\$ØØ14(A2) #\$ØØ02,\$ØØ14(A2) #\$ØØ02,\$ØØ17(A2) **\$ØØ02,\$ØØ17(A2) **\$ØØ02,\$ØØ14(A2) #\$ØØ,DØ  #\$ØØ,DØ  #\$ØØ,DØ  #\$ØØ,DØ  #\$Ø\$,D2 (AØ),DØ DØ,D1 D2,*-\$ØØØ4 (AØ),D3 D3,D1 #\$ØC,D2 (AØ),DØ DØ,D1 D2,*-\$ØØØ4 ; #\$Ø3,D2 (AØ),DØ DØ,D1 D2,*-\$ØØØ4 ; #\$ØØ,DØ DØ,D1 D2,*-\$ØØØ4 ; #\$ØØFF,\$ØØØ8(A4) #\$ØØFF,\$ØØØ8(A4) #\$ØØ18(A4)		Page
685	ØØØ7F6:	7000			'p.'	MOVEQ	#\$ØØ,DØ		
686	ØØØ7F8:	4E75			'Nu'	RTS			
687	0007FA:	Ø82C	øøø3	ØØ68	'.,h'	BTST	#\$ØØØ3,\$ØØ68 (A4)		
688	ØØØ8ØØ:	66EE			'f.'	BNE.S	*-\$ØØ1Ø ;	ØØØØØ7FØ	
689	øøø8ø2:	ØC2A	øøø9	ØØ16	'.*'	CMPI.B	#\$ØØØ9,\$ØØ16(A2)		
690	ØØØ8Ø8:	67E6			'g.'	BEQ.S	*-\$ØØ18 :	ØØØØØ7FØ	
691	ØØØ8ØA:	52AA	ØØØA		'Ŕ'	ADDQ.L	#\$1,\$ØØØA(A2)		
692	ØØØ8ØE:	2Ø44			' D'	MOVE. L	D4,AØ		
693	ØØØ81Ø:	4A68	ØØ14		'Лh'	TST.W	\$ØØ14 (AØ)		
694	ØØØ814:	671Ø			'a.'	BEO.S	*+\$ØØ12 ·	<i>aaaaa</i> aa26	
695	ØØØ816:	157C	ØØØ1	ØØØA	1.1	MOVE B	#50001 S0002 (12)	DDDDDDGZO	
696	ØØØ81C:	357C	0002	0014	151	MOVE W	#\$0001, \$000A (A2)		
697	ØØØ822:	7001		~~	10 1	MOVEO	#SØ1 DØ		
698	ØØØ824 ·	4E75			'Nu'	DTC	*401,00		
699	000826:	Ø821	0000	0017	1 * 1	DTCT	#\$@@@Q \$@@17 (30)		
700	ØØØ82C:	6604	2222	221	1 f 1	DNE C	*+ CARAC .	aaaaaaaa	
701	ØØØ82E:	7000			'n''	MOVEO	#SOO DO	WWWWW032	
702	ØØØ83Ø:	4E75			' Ni '	Dac B	*400,00		
703	000030.	357C	aaac	0014	151 1	MOAL M	#6000C 60014/30\		
704	0000838.	7001	DDZC	DE TA	J  . ,	MOVE.W	# \$1002C, \$10014 (A2)		
705	0000033.	APTE			p.	MOVEO	# \$MT'NM		
706	GGGGGGA	7445			Nu ·	KTS	togs no		
707	addest.	1490			τ.,	MOVEQ	#\$Ø5,D2		
707	WWW63E:	TRIR			· · · · ·	MOVE.B	(AØ),DØ		
708	000840:	B1Ø1			· • • •	EOR.B	DØ, D1		
709	000842:	51CA	FFFA		'Ω'	DBF	D2,*-\$ØØØ4 ;	ØØØØØ83E	
710	ØØØ846:	161Ø			''	MOVE.B	(AØ),D3		
711	ØØØ848:	B7Ø1			''	EOR.B	D3,D1		
712	ØØØ84A:	74ØC			't.'	MOVEQ	#\$ØC,D2		
713	ØØØ84C:	1Ø1Ø			''	MOVE.B	(AØ),DØ		
714	ØØØ84E:	B1Ø1			<b>''</b>	EOR.B	DØ, D1		
715	øøø85ø:	51CA	FFFA		'Q'	DBF	D2,*-\$ØØØ4 :	ØØØØØØ84C	
716	ØØØ854:	4E75			'Nu'	RTS			
717	ØØØ856:	74Ø3			't.'	MOVEO	#\$Ø3.D2		
718	ØØØ858:	1010			1.1	MOVE P	(AØ) . DØ		
719	ØØØ85A:	B1Ø1			1111	EOR B	DØ. D1		
720	ØØØ85C:	51CA	FFFA		101	DRF	D2.*-\$@@@4	000000059	
721	ØØØ86Ø ·	1610			, =	MUAL D	( <b>A</b> Ø) D3	DE000000	
722	000862	B701			, ,	FOD B	(AP), D3		
723	000864	7400			· · ·	EUK.B	ACOR DO		
724	0000866	1010			, . ,	WOARO	130E, UZ		
725	000868	BINI			,	MOVE.B	מע, (מא)		
726	000000	2161	FFFF			EOK.B	DO + 600~4	aaaaaa	
727	ONDIGO CE -	AFTE	EECA		130.1	DRF.	DZ, = -\$99994 ;	1000000866	
720	000000	1070	(A)(FF)(FF)	aaac	NU	RTS	16 gamm		
720	0000076	19/C	MOLT.	8000		MOVE.B	#\$99E1, \$9998 (A4)		
720	ממממס / ס:	10014	MATR			ORI.B	#\$ØØ18, (A4)		
730	20208 /A:	422C	9018		В,	CLR.B	\$ØØ18 (A4)		
/31	ØØØ87E:	157C	ØØFF	ØØ12	<u>'</u> ''	MOVE.B	#\$ØØFF,\$ØØ12(A2)		
/32	ØØØ884:	546A	ØØ14		'Tj'	ADDQ.W	#\$2,\$ØØ14(A2)		
733	ØØØ888:	7ØØ1			'p.'	MOVEQ	#\$Ø1,DØ		
734	ØØØ88A:	4E75			'Nu'	RTS			
735	ØØØ88C:	ØØ14	ØØ18		<b>'</b> '	ORI.B	#\$ØØ18,(A4)		
736	øøø89ø:	422C	ØØ18		'B,'	CLR.B	\$ØØ18 (A4)		
737	ØØØ894:	7000			'p.'	MOVEQ	#\$ØØ,DØ		
738	ØØØ896:	4E75			'Nu'	RTS	·· • • · · • · · ·		
					'p.'	MOVEQ	#\$Ø1,DØ		
740	ØØØ89A:	4E75			'Nu'	RTS	. 7 ~ 4 / 4 /		
741	ØØØ89C	ØC2A	gggs	ØØ13	'.*'	CMPI.B	#\$ØØØ2,\$ØØ13(A2)		
				~~13	'm&'			aaaaaaa ca	
	ØØØ8A4:				'J*.('	BLT.S	· · · · · · · · · · · · · · · · · · ·	ØØØØØ8CA	
					'f'	TST.B	\$ØØ28 (A2)	aaaaaaaa	
				aaro		BNE.S		ØØØØØ8CA	
745	MAKAGE A	13/0	TOOM	20228	! • ] • • • ( !	MOVE.B			
				MAMA	· <	MOVE.L	#\$ØØØCØØØØ,DØ		
					1	BTST	#\$0001, (A3)		
					'f.'	BNE.S	#\$ØØØ1, (A3) *+\$ØØØ8 ; DØ,*-\$ØØØ6 ; *+\$ØØØA ;	ØØØØØ8C2	
749		51C8	FFF8		'Q'	DBF BRA.S	DØ,*-\$ØØØ6 ;	ØØØØØ8B6	
750	øøø8cø:	6øø8			15.1	BRA.S	*+\$ØØØA ;	ØØØØØ8CA	
	øøø8c2:	546A	ØØ14		'Tj'	ADDQ.W	#\$2,\$ØØ14(A2)		
	ØØØ8C6:				'p.'	MOVEQ	#\$Ø1,DØ		
_					'Ñu'	RTS			
					'B*.('	CLR.B	\$ØØ28 (A2)		
					'51.Z'	MOVE.W			
	ØØØ8D4:				'B,'	CLR.B			
	ØØØ8D8:				В,		\$ØØ18(A4)		
	ØØØ8DC:					ORI.B	#\$ØØ18, (A4)		
					'p.'	MOVEQ	#\$ØØ,DØ		
/ 17	ØØØ8DE:	45/5			'Nu'	RTS			
760	MMM					ANDI.B	#\$ØØDF,(A3)		

/28/91	12:53 PM			HD:Lisa Device	: Duvers:9191E	M.CD_PROFILE	Page 1
761	ØØØ8E4:	ØØ13 ØØ29	,	:·:· '	ORI.B	#\$ØØ2Ø, (A3) #\$ØØ08, \$ØØ68 (A4) #\$ØØ01, \$ØØØ8 (A4) #\$ØØ01, \$ØØØ8 (A4) #\$ØØ05, \$ØØØ8 (A4) #\$ØØ05, \$ØØØ8 (A4) #\$ØØ066, \$ØØØ8 (A4) #\$ØØ018 (A4) #\$ØØ018 (A4) #\$ØØ03, \$ØØ68 (A4) **\$ØØ18 (A4) #\$ØØ03, \$ØØ12 (A2) #\$Ø1, DØ  #\$Ø296, \$ØØ1A (A2) #\$Ø01, DØ  \$ØØ18 (A4) #\$ØØ16 (A2), A1 #\$Ø3, DØ \$ØØ08 (A4), (A1) + DØ, *-\$ØØ04 \$ØØ16 (A2), DØ DØ, \$ØØ2A (A2) #\$ØØ77, (A4) #\$\$Ø77, \$Ø58Ø (A4) #\$77, DØ DØ, *+\$ØØØØ #\$ØØ8Ø, \$Ø58Ø (A4) #\$77, DØ DØ, *+\$ØØØØ #\$ØØ8Ø, \$Ø58Ø (A4) #\$77, DØ DØ, *+\$ØØØØ #\$ØØ8Ø, \$Ø58Ø (A4) #\$77, DØ DØ, *+\$ØØØØ #\$ØØØ1, \$ØØ36 (A2) #\$ØØ18, \$ØØ36 (A2) #\$ØØ18, \$ØØ36 (A2) #\$ØØ01, \$ØØ36 (A2) #\$ØØ018, \$ØØ14 (A2) #\$ØØ18, \$ØØ18, \$A4) #\$ØØ018, \$A3) #\$ØØ018, \$A3) #\$ØØ018, \$A3)	
762	ØØØ8E8:	197C ØØØ8	9 ØØ 68	'. h'	MOVE B	#\$100000,\$100000(A4)	
763	ØØØ8EE:	1970 0013	8 8888	137-1	MOVE.B	#\$6613,\$6660 (A4)	
764	9998F4:	4E/1	aaao	, Nd.	MOVE B	#50001 . 50008 (A4)	
765	000816:	1970 999.	r 8888	1 1 2 - 1	MOAE'B	#UDDD1, UDDDU (M4)	
760	WWWSEC:	1070 000	5 00000	NQ	MOVE. B	#SØØØ5.SØØØ8(A4)	
760	WWWOIL:	197C WWW.	סשוששו נ	1 N/~!	NOD	************	
768	000904:	1070 000	c aaaa	NQ	MOVE B	#500E6.50008 (A4)	
770	addinac.	0014 001	סשששטס פ		ORT B	#SØØ18. (A4)	
770	0000900:	4220 001	2	'B''	CLR.B	SØØ18(A4)	
772	000010.	482C 888	3 <i>0</i> 068	' h'	BTST	#SØØØ3.SØØ68(A4)	
773	0000111.	66ØE		1 # . 1	BNE.S	*+\$ØØ1Ø ;	ØØØØØ92A
774	ØØØ91C:	546A ØØ1	4	'Ti'	ADDO.W	#\$2,\$ØØ14(A2)	
775	ØØØ92Ø:	157C ØØØ:	3 ØØ12	'.1'	MOVE.B	#\$ØØØ3,\$ØØ12(A2)	
776	ØØØ926:	7øø1		'p.'	MOVEQ	#\$Ø1,DØ	
777	ØØØ928:	4E75		'Nu'	RTS		
778	ØØØ92A:	357C Ø29	6 ØØ1A	'5 '	MOVE.W	#\$Ø296,\$ØØ1A(A2)	
779	øøø93ø:	7ØØØ		'p.'	MOVEQ	#\$ØØ,DØ	
780	ØØØ932:	4E75		'Nu'	RTS		
781	ØØØ934:	422C ØØ1	8 ,	'B,'	CLR.B	\$ØØ18 (A4)	
782	ØØØ938:	ØØ14 ØØ1	8	''	ORI.B	#\$ØØ18, (A4)	
783	øøø93C:	43EA ØØ1	6	'C'	LEA	\$ØØ16(A2),A1	
784	ØØØ94Ø:	7øø3	_	'p.'	MOVEQ	#\$Ø3,DØ	
785	ØØØ942:	12EC ØØØ	8	''	MOVE.B	\$0008 (A4), (A1)+	aaaaa0.42
786	ØØØ946:	51C8 FFF.	A.	'Q'	DBF	ບພ,*->ພພພ4 ;	WWWWWY42
787	99994A:	202A 001	<b>b</b>	* * * *	MOVE.L	DOL COOLD (AZ), DOL	
/88	00094E:	61AA ØØ2.	A.	· · · * '	OK.L	טש, אמשבא (AZ) #\$ממדר (אא)	
789	000952:	M214 MMF	I DOME O O	••••	ANUI.B	TOWE !, (A4)	
790	000936:	1022C 1007	മോഗ്യ	' ., 'n!'	MONEO MULT.B	#\$27.DØ	
702	MOMOS SEC	1921 5109 888	-	, p	DDE WOAFA	DØ .*+\$ØØØØ	0000095E
702	0000050E:	MOISC WOO	01 015.9 <i>0</i>		ORTR	#\$0080,\$0580(A4)	
701	00000000	7017F	~ £J0%	'n.'	MOVEO	#\$7F.DØ	
705	0000 KI.	51C8 FFF	E.	0	DBF	DØ.*+\$ØØØØ	ØØØØØ9 6A
796	ØØØ96F •	Ø66A ØØØ		i '.i6'	ADDI.W	#\$ØØØ1,\$ØØ36(A2)	
797	ØØØ974 ·	422A ØØ2	_ ~~~ 8	'B*.('	CLR.B	\$ØØ28 (A2)	
798	ØØØ978:	2030 001	8 ØØØØ	, , <,,,,,	MOVE.L	#\$ØØ18ØØØØ.DØ	
799	ØØØ97E:	Ø814 ØØØ	1	,	BTST	#\$ØØØ1, (A4)	
800	ØØØ982:	66Ø4		f.'	BNE.S	*+\$ØØØ6 :	ØØØØØ988
801	ØØØ984:	538Ø		'S.'	SUBQ.L	#\$1,DØ	
802	ØØØ986:	66F6		'f.'	BNE.S	*-\$ØØØ8 ;	ØØØØØ97E
803	ØØØ988:	ØC6A ØØ1	ø øøse	i'.j6'	CMPI.W	#\$ØØ1Ø,\$ØØ36(A2)	
804	ØØØ98E:	6EØA		'n.'	BGT.S	*+\$ØØØC ;	ØØØØØ99A
805	øøø99ø:	357C ØØ4	6 ØØ14	'5 .F'	MOVE.W	#\$ØØ46,\$ØØ14(A2)	
806	ØØØ996:	7øø1		'p.'	MOVEQ	#\$Ø1,DØ	
807	ØØØ998:	4E75		'Nu'	RTS	14 mpp	
808	ØØØ99A:	357C Ø75	A ØØ12	1 '5 .Z'	MOVE.W	#\$Ø75A,\$ØØ1A(A2)	
809	ØØØ9AØ:	422C ØØ1	8	'B,'	CLR.B	\$ØØ18 (A4)	
810	ØØØ9A4:	ØØ14 ØØ1	8	'····'	ORI.B	#\$ØØ18, (A4)	
811	ØØØ9A8:	1999		'p.'	MOVEQ	שט, מט ל	
812	ØØØ9AA:	4E/5	_	'Nu'	RTS	ACOUNT (32)	
813	BBBBAC:	Ø213 ØØD	r'	<b>'</b> '	ANDI.B	#\$ØØDF, (A3)	
814	0009B0:	ØØ13 ØØ2	ש פ ממני	' '	ORI.B	#\$ØØ2Ø, (A3) #\$ØØØ8,\$ØØ68(A4)	
815				3 '. h'	MOVE.B		
816		41EA ØØ2		'A' '.*'	LEA MOVE.B	\$ØØ2E(A2),AØ \$ØØ2E(A2),DØ	
817 818	ØØØ9C2:	102A 002	ت	'Н.	EXT.W	DØ	
819		Ø24Ø ØØØ	দ	'.e'	ANDI.W	#\$ØØØF,DØ	
820	ØØØ9C8:		-	'S@'	SUBQ.W	#\$1,DØ	
821	ØØØ9CA:			'r.'	MOVEQ	#\$ØØ,D1	
822		195Ø ØØØ	18	'.P'	MOVE.B	(AØ),\$ØØØ8(A4)	
823	øøø9Dø:		. •	''	ADD.B	$(A\emptyset) + D1$	
824		51C8 FFF	'8	'Q'	DBF		øøøøø9CC
825		ØAØ1 ØØF		''	EORI.B	#\$ØØFF,D1	
826		1941 ØØØ		'.A'	MOVE.B	D1,\$ØØØ8 (A4)	
827		Ø82C ØØØ			BTST	#\$ØØØ3,\$ØØ68(A4)	
828	ØØØ9E4:			'f.'	BNE.S		ØØØØØ9EA
829	ØØØ9E6:			'p.'	MOVEQ	#\$ØØ,DØ	
830	ØØØ9E8:			'Nu'	RTS	•	
831	ØØØ9EA:			'p.'	MOVEQ	#\$Ø1,DØ	
832	ØØØ9EC:			'Nu'	RTS	-	
833			2 øøø	A '.*'	CMPI.B	#\$ØØØ2,\$ØØØA(A2)	
834		6CØØ ØØ6		'ln'	BGE		ØØØØØA64
	ØØØ9F8:			' D'	MOVE.L	D4,AØ	
835				'ø('		\$ØØ14(AØ),DØ	

,,_	-2.55 1 1	· 			LID.LISA DEV	ice Dilvers.	13161	#\$ØØ7F, DØ  *+\$ØØ04  *\$7F, DØ  DØ, \$ØØ26 (A2)  \$\$ØØ0A (A2), \$ØØ2F (A  \$ØØ0A (A2), \$ØØ3Ø (A  DØ, \$ØØ3Ø (A2)  *-\$ØØ74  DØ  **\$ØØ2E  \$ØØ0A (A2)  **\$ØØ0A (A2)  **\$ØØ0A (A2)  *\$ØØ0A (A2)  *\$ØØ0A (A2)  *\$ØØ0A (A2)  *\$ØØ0A (A2)  *\$ØØ0A (A2)  \$\$ØØ0A (A4)  \$\$ØØ0A (A2)  \$\$ØØ		Page 1
837	ØØØ9FE:	ØC4Ø	øø7f		'.0'	CM	PI.W	#\$ØØ7F,DØ		
838	ØØØAØ2:	6FØ2			'0.'	BL	E.S	*+\$ØØØ4 ;	ØØØØØAØ6	
839	000A04:	107F			'p.'	MO	VEQ	#\$7F,DØ		
840	ØØØAØ6:	154Ø	ØØ26		'.6.&'	MO	VE.B	DØ,\$ØØ26 (A2)		
841	ØØØAØA:	157C	ØØ26	ØØ2E	' -   -& '	MO	VE.B	#\$ØØ26,\$ØØ2E(A2)		
842	000A10:	156A	ØØØA	ØØ2F	'.j/'	MO	VE.B	\$ØØØA (A2),\$ØØ2F (A	2)	
843	ØØØA16:	256A	ØØØA	øø3ø	'%jø'	MO	VE.L	\$ØØØA (A2),\$ØØ3Ø (A	2)	
844	ØØØA1C:	154Ø	øø3ø		'.@.ø'	MO	VE.B	DØ, \$ØØ3Ø(A2)		
845	ØØØA2Ø:	618A			'a.'	BS	R.S	*-\$0074 ;	ØØØØØ9AC	
846	ØØØA22:	4A4Ø			'J@'	TS'	T.W	DØ		
847	ØØØA24:	662C			'f,'	BN	E.S	*+\$ØØ2E :	ØØØØØA52	
848	ØØØA26:	4A2A	ØØØA		'J*'	TS'	T.B	\$ØØØA (A2)		
849	ØØØA2A:	6616			'f.'	BN	E.S	*+\$0018	0000001A2	
850	ØØØA2C:	357C	ØØ4C	ØØ14	'51.L'	MO	VE.W	#5004C.50014 (A2)		
851	ØØØA32:	157C	ØØ22	ØØ12	· . i . " ·	MO	VE.B	#SØØ22.5ØØ12(A2)		
852	ØØØA38:	ØØ14	ØØ18		• • • • •	OR	I.B	#\$ØØ18. (A4)		
853	ØØØA3C:	422C	ØØ18		'B'	CL	R.B	SØØ18 (A4)		
854	ØØØA4Ø:	6ØØC			15,1	BR	A.S	*+5000F	GGGGGGAAF	
855	ØØØA42:	357C	ØØ5A	ØØ14	151.2	MO	VE.W	#5005% \$0014 (%2)	DDDDDDATE	
856	ØØØA48:	157C	0023	0012	1.1.4	MO	VF B	#\$@@23 \$@@12 (A2)		
857	ØØØA4E	7001		~~12	'p. '	MO	VEC	#\$01 DO		
858	ØØØA 50	4E75			' Nu '	EM.	6 - 77	= 7 D L , D D		
859	ØØØA52 •	3570	020c	0013	151 1	KT	ne m	#\$#206 \$##13 /301		
860	000A5A	0014	0019	PETA	, , , , ,	MO.	VE.W	TOMASO, SMOLA (AZ)		
861	BBBB SC .	4220	0010		10 1	OR	D D	T > WULTO, (A4)		
862	GOOD SO	7000	PRIO		D,	CL	K.D	ACOUNTO (A4)		
862	CONTRACT:	AFTE			p.	WO.	AEG.	# > 00,000		
064	GOOD CA.	3570	aaca	~~~ .	Nu '	RT	S			
865	MANAGES.	7001	ששפכ	10014	'5 .1'	MO	VE.W	#\$ØØ6C,\$ØØ14 (A2)		
065	DOUBLE CO.	1001			` <b>p</b> •	MO	VEQ	#\$Ø1,DØ		
000	OODA 6C:	45/5			'Nu'	RT	S			
00/	DODA OE:	2244			' "D'	MO'	VE.L	D4,A1		
868	000A/0:	2069	ØØØ8		' i'	MO'	VE.L	\$ØØØ8(A1),AØ		
869	ØØØA74:	D1E9	øølø		''	AD:	DA.L	\$ØØ1Ø(A1),AØ		
870	ØØØA78:	2269	ØØØC		'"i'	MO	VE.L	\$ØØØC(A1),A1		
871	ØØØA7C:	2FØA			'/.'	MO'	VE.L	A2,-(A7)		
872	ØØØA7E:	45EC	øøø8		'E'	LE	A	\$ØØØ8 (A4), A2		
873	ØØØA82:	72ØØ			'r.'	MO	VEQ	#\$ØØ,D1		
874	ØØØA84:	61øø	FAØØ		'a'	BS	R	*-\$Ø5FE :	ØØØØØ486	
875	ØØØA88:	61ØØ	F9BØ		'a'	BS	R	*-\$Ø64E :	ØØØØØ43A	
876	ØØØA8C:	245F			'\$ '	MO	VE.L	(A7) + A2		
877	ØØØA8E:	4A29	øøø6		'J)'	TS'	T.B	\$ØØØ6 (A1)		
878	ØØØA92:	6CØC			11.1	BG	E.S	*+\$ØØØE :	MAMMAMAM	
879	ØØØA94:	Ø229	ØØ7F	ØØØ6	1.1	AN	DT.B	#\$007F.\$0006 (A1)	2222212	
880	ØØØA9A:	4AØ1			'J.'	TS	T.B	D1		
881	ØØØA9C:	66ØØ	ØØ6E		'fn'	BN	Ē.	*+50070 .	aaaaaanac	
882	ØØØAAØ:	Ø82C	0003	ØØ68	'h'	BT	<u>-</u>	#50003 S0068 (AA)		
883	ØØØAA6:	6600	0050	2200	'f D'	מפ	51 F	*+\$0052, \$2000 (A4)	aaaaaa soo	
884	GGGAAA .	ØC2A	agag	0016	. * .	CM	ם זמ	# \$ # # # # # # # # # # # # # # # # # #	O THOUSAND	
885	gggara.	6700	0050	DDIO	'a P'	CP	71.D	*+ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	aaaaam aa	
886	GOGADA.	4267	שנטשט		9	DE!	7 W		200000B	
887	OOONDY:	3E0/			- bg '	CL	K.W	-(A/)		
800	COLORDO:	4553	DEA0		/ •	MO	AE-T	D4, - (A/)		
990	MANADO:	45.5A	2048		'N. H'	JS	K	*-\$Ø9B6 ;	ØØØØØ1Ø2	
007	ØØØABC:	333E	WWIA		'5'	MO	VE.W	(A7) +, \$ØØ1A (A2)		
901	ØØØACØ:	0000	שכשש		f.P'	BN	Ľ	*+\$ØØ52 ;	ØØØØØB12	
031	DEDEAC4:	TOOL			. D	MO	VEQ	#\$01,D0		
892	ØØØAC6:	52AA	000A		'R'		DQ.L			
	ØØØACA:				'S*.&'	SU	BQ.B	#\$1,\$ØØ26(A2)		
	ØØØACE:				'g.'	BE	Q.S	*+\$ØØ16 ;	ØØØØØAE4	
	øøøadø:				'Ĵ'	TS'	T.L	\$ØØ16(A2)		
	ØØØAD4:				'f.'	BN	E.S		ØØØØØAFØ	
897	ØØØAD6:	357C	ØØ4C	ØØ14	'5 .L'	MO	VE.W	#\$ØØ4C,\$ØØ14(A2)		
898	ØØØADC:	157C	ØØ22	ØØ12	'.j."'		VE.B	#\$ØØ22,\$ØØ12(A2)		
899	ØØØAE2:	4E75			'Nu'	RT		, ,		
900	ØØØAE4:	546A	ØØ14		'Tj'			#\$2,\$ØØ14(A2)		
901	ØØØAE8:	157C	øøø1	ØØ12			VE.B			
902	ØØØAEE:	4E75			'Nu'	RT:		. + ~ ~ ~ . , + ~ ~ ( )		
			0046		'5 .F'		VE.W	#\$ØØ46,\$ØØ14(A2)		
	ØØØAF6:				'Nu'			#48840,48814 (HZ)		
					'5 '	RT		#60006 60013 (30)		
	ØØØAFE:						VE.W	#\$Ø296,\$ØØ1A(A2)	aaaamaa	
					1	BR			ØØØØØBØ8	
			2009	META	'5 .i'		VE.W			
	ØØØBØ8:				'p.'		VEQ	#\$ØØ,DØ		
	ØØØBØA:				'Nu'	RT				
910	ØØØBØC:	357C	FD69	ØØ1A	'5 .i'	MO	VE.W	#\$FD69,\$ØØ1A(A2)		
911	ØØØB12:	422A	ØØ26		'B*.&'	CLI	R.B	\$ØØ26 (A2)		
		2Ø44			' D'					

3/20/71	12:55 PM				HD:Lisa Devic	ce Drivers:SYSTE	M.CD_PROFILE  \$\text{\$\pi 014 (Ap)}\$ \$\frac{1}{2}, \frac{1}{2} \text{\$\pi 0214 (A2)}\$ \$\frac{1}{2}, \frac{1}{2} \text{\$\pi 0212 (A2)}\$  \text{\$\pi 044 (Ap)}\$ \$\frac{1}{2} \text{\$\pi 0212 (A2)}\$  \text{\$\pi 044 (Ap)}\$ \$\frac{1}{2} \text{\$\pi 044 (Ap)}\$ \$\frac{1}	Page 1
913	ØØØB18:	4268	ØØ14		'Bh'	CLR.W	\$ØØ14 (AØ)	
914	ØØØB1C:	546A	ØØ14		'Tj'	ADDO. W	#\$2,\$ØØ14(A2)	
915	ØØØB2Ø:	7øø1			י.םי	MOVEO	#\$Ø1.DØ	
916	ØØØB22:	157C	ØØFF	ØØ12	٠	MOVE P	#SØØFF.SØØ12 (A2)	
917	ØØØB28:	4E75	~~!	DDIL	'Nu'	DTC	WOODEF, SOUTE (AZ)	
918	ØØØB2A:	20144			ים י	MOVE I	D4 3/8	
919	gggB2C:	4268	010114		'.Th	TOT W	\$ 6 6 1 A ( 3 6 )	
920	adam 3a.	6700	DDIA		1011	131.4	\$0014 (AD)	ian aa
921	MAMP 32.	2570	MMA C	aan A	9.	BEQ.5	*+\$0000 ; 00000	MB3C
921	MANADOG.	337C :	2040	2014	5 .1	MOVE.W	#\$0046,\$0014 (A2)	
922	adamon an .	1001			`p.`	MOVEQ	#\$Ø1,DØ	
923	GGGGGGGA:	4E/3			'Nu'	RTS		
924	MMMB3C:	1000			'p.'	MOVEQ	‡\$ØØ,DØ	
925	MMMBJE:	4E/5			'Nu'	RTS		
926	000B40:	122C	ØØ78		'.,.x'	MOVE.B	\$ØØ78(A4),D1	
927	000B44:	Ø214	ØØE7		''	ANDI.B	#\$ØØE7,(A4)	
928	ØØØB48:	197C	ØØFF	ØØ18	'. '	MOVE.B	#\$ØØFF,\$ØØ18(A4)	
929	ØØØB4E:	197C	øø55	ØØ78	'. .U.x'	MOVE.B	#\$ØØ55,\$ØØ78(A4)	
930	ØØØB54:	ØØ2C	øøø1	øø6ø	1.,	ORI.B	#\$ØØØ1,\$ØØ6Ø(A4)	
931	ØØØB5A:	197C	øøø2	ØØ68	'. h'	MOVE.B	#\$ØØØ2,\$ØØ68(A4)	
932	ØØØB6Ø:	ØØ14	øø1ø		1	ORT.R	#\$ØØ1Ø. (A4)	
933	ØØØB64:	ØCØ1	ØØ23		1.1.4	CMPT P	#SØØ23.D1	
934	ØØØB68 ·	662C			16.1	DME 6	*+\$002F . 0000	40TD 0.6
935	ØØØR 63 ·	5233	ØØØ13		'Ē' '	T OUUK	#\$1 \$000X /301	70030
936	MOMBER.	5227	aase		10* 61	WDDA.T	TY1, YUUUN (AZ)	
937	0000E:	6716	W 2 0		3". a	2080.8	#91,9WW20(A2)	IOT OR
938	000007A	3570	MME »	0014	151 7 1	BLU.S	"TOWNED ; WOWN	ADOW
320	0000141	3570	ACGG	0011	151.2	MOVE.W	# \$1010 D.M., \$1010 L.4 (A2)	
737	MANAGE AG	3570	TONO	MIA		MOVE.W	#\$0001,\$001A(A2)	
041	MANAGERA.	19/0	DOL.L.	1010 4 B	н'	MOVE.B	#\$00FF,\$0048 (A4)	
941	WWWB86:	1000			'p.'	MOVEQ	#\$ØØ,DØ	
942	MANARS:	4E 75	<b>~~~</b> -	<b></b> -	'Nu'	RTS		
943	WWWB8A:	157C	ØØ27	ØØ12	[ <u>-</u> ].''	MOVE.B	#\$ØØ27,\$ØØ12(A2)	
944	ØØØB9Ø:	546A	ØØ14		'Tj'	ADDQ, W	#\$2,\$ØØ14(A2)	
945	ØØØB94:	6ØE4			11.1	BRA.S	*-\$ØØ1A ; ØØØØ	ØB7A
946	ØØØB96:	ØCØ1	ØØA3		11	CMPI.B	#\$ØØA3,D1	
947	ØØØB9A:	66Ø8			'f.'	BNE.S	*+\$ØØØA ; ØØØØ	ØBA4
948	ØØØB9C:	357C	ØØ64	ØØ14	'5 .d'	MOVE.W	#\$ØØ64,\$ØØ14(A2)	
949	ØØØBA2:	6ØD6			1	BRA.S	*-50028 : 0000	ØB7A
950	ØØØBA4:	357C	øø38	ØØ14	'51.8'	MOVE.W	#50038.50014(A2)	
951	ØØØBAA:	7øø1			'p. '	MOVEO	#\$Ø1.DØ	
952	ØØØBAC:	4E75			'Nu'	RTS		
953	ØØØBAE:	357C	12ØD	ØØ2E	'51'	MOVE. W	#\$12@D.\$@@2E(A2)	
954	ØØØBB4 :	61 00	FDF6		'a'''	BCD	*-\$0200 · 0000	4010 N.C
955	ØØØBB8 ·	4340			1.TA 1	TOT W	יייייייייייייייייייייייייייייייייייייי	, DJAC
956	ØØØBBA •	6600	aa1 a		1 # 1	DME	*+\$0012 . 0000	10DCC
957	ØØØBBF:	1570	BOAR	0012	, , , ,	MOVE B	ACGGGE CGG12(32)	MARCO
958	MAMBCA:	5463	CONT A	DUIZ	1004	MOVE.D	#9000E, 90012 (AZ)	
950	MANADCA:	740A	MMT 4		113	ADDQ.W	#\$2,\$0014 (A2)	
333	MANAGE CO:	APZE			p.	MOVEO	# \$MI,IM	
061	WWWBCA:	4E/3	ann -	<i>aa</i> :-	Nu '	RTS	144004 44445	
307	MANDECC:	33/0	0296	ATAM	٠٠٠. اد	MOVE.W	#\$Ø296,\$ØØ1A(A2)	
962	WWWBD2:	0014	9199			ORI.B	#\$ØØ18, (A4)	
963	WWBD6:	422C	ØØ18		'B,'	CLR.B	\$ØØ18 (A4)	
964	ØØØBDA:	7000			'p.'	MOVEQ	#\$ØØ,DØ	
965	øøøbdc:	4E75			'Nu'	RTS		
966	ØØØBDE:	262A	ØØØA		'&*'	MOVE.L	\$ØØØA(A2),D3	
967	ØØØBE2:	Ø283	ØØFF	FFFF	''	ANDI.L	#\$ØØFFFFF,D3	
	ØØØBE8:				' C'	MOVE.L	D3,AØ	
969	ØØØBEA:	2FØA			1/.1	MOVE.L	A2,-(A7)	
970	ØØØBEC:	45EC	øøø8		'É'	LEA	\$ØØØ8 (A4) , A2	
971	ØØØBFØ:	6100	F894		1	BSR	*-\$Ø76A ; ØØØØ	501486
972	ØØØBF4:	245F	•		's '	MOVE.L	(A7)+, A2	
973	ØØØBF6:	2043			'\$ ' ' C'	MOVE.L		
974	gggnes.	QC20	ØØØ1	aaao	, ,	CMPI.B		
975	MANDED:	660E	NUNT	צששש	'.(' 'f.'	CMP1.B		sacar
913	MANACAA:	O O DE	aaac	ac 1 1		BNE.S		NOCKE
9/0 077	MANACAN:	WLAS !	טממט	דוכש		CMPI.L	#\$ØØØCØ511,\$Ø1C6 (AØ)	
	ØØØCØ6:				'.·'			4 at 4 at 5
	ØØØCØ8:				'f.'	BNE.S	*+\$ØØØ6 ; ØØØØ	ØCØE
979	ØØØCØA:	7ØØØ			'p.'	MOVEQ	#\$ØØ,DØ	
980	øøøcøc:	4E75			'p.'	RTS		
981	ØØØCØE:	357C	Ø26A	ØØ1A	'5 .j'	MOVE.W	#\$Ø26A,\$ØØ1A(A2)	
982	ØØØC14:	6ØF4				BRA.S	*-\$ØØØA ; ØØØØ	5ØCØA
					'Ti'	BRA.S ADDQ.W MOVEQ RTS MOVE.W	#\$2,\$ØØ14(A2)	
0.84	0000C13.	7001			1	MOVEO	#\$Ø1,DØ	
985	ØØØC1C:	4E75			'p.' 'Nu'	RTS		
986	ØØØC1E+	357C	1 6ØF	ወወንፑ	151	MUME M	#\$160E \$002E (32)	
997	agaca4.	2570	T070	3015	191	MOVE.N	#\$16ØE,\$ØØ2E(A2) #\$FØ783C1E,\$ØØ3Ø(A2)	
501	ØØØC2A:	2010	2210	POIE	'* .x<.'	MOVE.L	# AEM 103CTE, SMM3M (MZ)	
988								

	12.JJ F 1V				LID.LISA DEVICE	ו פיצואטוח	STEM.CD_PROFI	LC		Page 1
989	øøøc2c:	6100 F	D7E		'a~'	BSR	*-\$\tilde{STEM.CD_PROFIT* *-\$\tilde{Q}28\tilde{\tilde{B}} \tilde{W} \tilde{D} \tilde{W} \tilde{PROFIT* *-\$\tilde{Q}28\tilde{\tilde{B}} \tilde{W} \tilde{PROFIT* *-\$\tilde{Q}28\tilde{D} \tilde{Q} \tilde{PROFIT* *-\$\tilde{Q}296,\$\tilde{D} \tilde{B} \tilde{B} \tilde{S}\tilde{D} \tilde{A} \tilde{B} \tilde{S}\tilde{D} \tilde{B} \tilde{S}\tilde{D} \tilde{B} \tilde{S}\tilde{D} \tilde{B} \tilde{B} \tilde{S}\tilde{D} \tilde{B} \tilde{B} \tilde{S}\tilde{D} \tilde{B} \tilde{B} \tilde{S}\tilde{D} \tilde{B} \tilde{A} \tilde{A} \tilde{B} \tilde{S}\tilde{D} \tilde{B} \tilde{A} \tilde{A} \tilde{A} \tilde{A} \tilde{B} \tilde{S}\tilde{D} \tilde{D} \tilde{B} \tilde{S}\tilde{D} \tilde{B} \tilde{B} \tilde{B}\tilde{D} \tilde{B} \tilde{B}\tilde{D} \tilde{B} \tilde{B} \tilde{B}\tilde{D} \tilde{B} \tilde{B} \tilde{B}\tilde{D} \tilde{B} \tilde	;	ØØØØØ9AC	
990	ØØØC3Ø:	4A4Ø	<b>~~</b>		'J0'	TST.	W DØ			
991	999C32:	66ØØ Ø	Ø1Ø		'f'	BNE	*+\$ØØ12	;	ØØØØØC44	
992	ØØØC36:	157C Ø	ØlØ	ØØ12	<u>'-</u> ['	MOVE	.B #\$ØØ1Ø,\$ØØ1	.2 (A2)		
993	ØØØC3C:	546A Ø	Ø14		'Tj'	ADDQ	.W #\$2,\$ØØ14(#	(2)		
994	ØØØC4Ø:	7øø1			'p.'	MOVE	Q #\$Ø1,DØ			
995	ØØØC42:	4E75			'Nu'	RTS				
996	ØØØC44:	357C Ø	296	ØØ1A	'5 '	MOVE	.W #\$Ø296.\$ØØ1	A (A2)		
997	ØØØC4A:	ØØ14 Ø	Ø18		1	ORI.	B #SØØ18.(A4)			
998	ØØØC4E:	422C Ø	Ø18		'B'	CLR.	B \$0018(A4)			
999	ØØØC52:	7000			'p.'	MOVE	O #SØØ.DØ			
1000	ØØØC54:	4E75			' N11 '	RTS	1 1 1 2 2 7 2 2			
1001	ØØØC56:	202A Ø	ØØA		1 * 1	MOVE	T. SOLOTA (A2) F	08		
1002	ØØØC5A:	Ø28Ø Ø	ØFF '	यययय	, ,,	ANDI	I. #SOOFFFFFF	ת. האם		
1003	ØØØC6Ø:	2040	~		, 6,	MOVE	T. DO AG	DU		
1004	ØØØC62 +	2FØ1			1/1	MOVE	T 32 - (37)			
1005	adace4.	ASEC O	aas		/ ·	MOVE	**************************************			
1006	MANACES:	61 000 E	71C		1- 1	DCD	+ COETO		aaaaacoc	
1007	MANACEC.	OIEE F.	MIC		a	BSR	*-\$03E2	,	68999999	
1007	addacer:	243F	~~~	~~~	` <b>*</b> _`	MOVE	.L (A/)+,A2			
1000	MONCOL:	15/0 0	996	9912	<u>'-</u> !····'	MOVE	.B #\$ØØØ6,\$ØØ1	.2 (A2)		
1009	000C/4:	546A Ø	Ø14		'T]'	ADDÇ	.W #\$2,\$ØØ14(A	(2)		
1010	200C78:	1001			[p. ]	MOVE	Q #\$Ø1,DØ			
1011	000C7A:	4E/5			'Nu'	RTS				
1012	ØØØC7C:	7000			'p.'	MOVE	Q #\$ØØ,DØ			
1013	ØØØC7E:	4E75			'Nu'	RTS				
1014	øøøc8ø:	2Ø6F Ø	ØØ4		' 0'	MOVE	.L \$ØØØ4(A7),A	Ø		
1015	ØØØC84:	4A68 Ø	ØØ4		'Jh'	TST.	W \$ØØØ4 (AØ)			
1016	ØØØC88:	665C			'f\'	BNE.	S *+\$ØØ5E	;	ØØØØØCE6	
1017	ØØØC8A:	2FØA			1/.1	MOVE	.L A2(A7)	•		
1018	ØØØC8C:	2Ø5Ø			'P'	MOVE	. L (AØ) . AØ			
1019	ØØØC8E:	2468 Ø	ØØ 4		'\$h'	MOVE	T. \$0004 (A0) 2	2		
1020	ØØØC92:	206A 0	004		' i '	MOVE	T. \$0004 (AD) 7	101		
1021	ØØØC96:	2250			יוקיי.	MOVE	T. /AØ\ A1			
1022	ØØØC98:	7022			!n*!	MOVE	0 4623 DØ			
1023	ØØØC9A:	C029 0	Ø68		' \ h'	MOAF	D \$0069/31\ r	v24		
1024	MANCOE:	1340 0	Ø68		., 	MOVE.	D DO COMENIAL	שא		
1025	MAMCA2.	7400	200		.6.11	MOVE	A A COO DO (AI	.)		
1025	MOMOCRA.	7500 A	MAG.			MOVE	Q #SMM,UZ			
1027	MANCE.	1270 0	2010 2020	aaco		MOVE	P.W D2,\$6646 (A1	.)		
1027	MONOCAG:	7011 a	220 I	90 GG	n'	MOVE	.B #\$0020,\$006	9 (AT)		
1028	MONOCAE:	8811 8	888		''	BTST	#\$ØØØØ,(A1)			
1029	MMMCB2:	6636			'f6'	BNE.	S *+\$ØØ38	;	ØØØØØCEA	
1030	000CB4:	Ø2ØØ Ø	ØØ2		''	AND]	.B #\$ØØØ2,DØ			
1031	MMMCB8:	6746			'gF'	BEQ.	S *+\$ØØ48	;	ØØØØØØDØØ	
1032	ØØØCBA:	426F Ø	ØØC		'Bo'	CLR.	W \$ØØØC(A7)			
1033	ØØØCBE:	4A6A Ø	Ø46		'Jj.F'	TST.	W \$ØØ46(A2)			
1034	øøøcc2:	6752			'gR'	BEQ.	S *+\$ØØ54	;	ØØØØØD16	
1035	ØØØCC4:	2FØA			'/.'	MOVE	.L A2,-(A7)			
1036	ØØØCC6:	4EBA F	46E		'Nn'	JSR	*-\$ØB9Ø	;	ØØØØØ136	
1037	ØØØCCA:	2Ø6A Ø	ØØ4		' j'	MOVE	.L \$ØØØ4(A2).A	ø		
1038	ØØØCCE:	3Ø28 Ø	Ø1A		'Ø('	MOVE	.W SØØ1A(AØ).D	Ø		
1039	ØØØCD2:	3F4Ø Ø	øøc		' ?@ '	MOVE	.W DØ. SØØØC (A7	15		
1040	ØØØCD6:	ØC4Ø Ø	øø1		1.6	CMPI	.W #\$ØØØ1,DØ	•		
1041	ØØØCDA:	66Ø8			'f.'	BNE.	S *+\$ØØØA		ØØØØØCE4	
1042	ØØØCDC:	317C Ø	Ø64	ØØ2Ø	'1 .d. '	MOVE	.W #\$ØØ64,\$ØØ2	01/201	LUDUUCET	
1043	ØØØCE2:	6032	• •			BRA.	S *+\$ØØ34	( <i>ELIU )</i>	ØØØØØD16	
1044	ØØØCE4:	245F			'\$_'	MOVE		,	DITURBUSE	
1045	ØØØCE6:	AEED @	41C		'N'				000001104	
1046	adacen.	3170 0	204	0013	'1 '	JMP			ØØØØ11Ø4	
1047	MAMOCEA.	1242 0	/X10		1 D 1	MOVE				
1040	ONDER !	MM11 ~	α1 ο πτο		'.B'	MOVE		•		
1040	MANACE 4:	ANCE C	MTR.		172	ORI.				
1050	OUDCES:	AADA Ø	046		'' 'Jj.F' 'f.'	TST.				
1020	ØØØCFC:	00E6			'f.'	BNE.		;	ØØØØØCE4 ØØØØØD16	
1051	ØØØCFE:	6Ø16			'`.'	BRA.		;	ØØØØØD16	
1052	øøødøø:	5368 Ø	ø2ø		'Sh. '	SUBÇ	.W #\$1,\$ØØ2Ø(A	Ø)		
1053	øøøDø4:	6FØ8			'Sh. ' 'o.' '. H'	BLE.			ØØØØØDØE	
1054	øøødø6:	137C Ø	ØFF	ØØ48	'. H'	MOVE				
1055	øøøDøc:	6øø8			15.1	BRA.			ØØØØØD16	
1056	ØØØDØE:	317C Ø	75D I	ØØ1A	'11.1'	MOVE	.W #\$Ø75D,\$ØØ1			
1057	aaan 1 4	C 00 5				BRA.			øøøøøcfø	
1058	ØØØD16.	245F			's_' ''			,	PEPPECER	
1050	adan19.	2055			,*-,	MOVE				
1060	000010:	DEEG ~	aa .		. –	MOVE	, , ,			
1000	AUGUIA:	DEFC Ø	4 WW		· · · · · '	ADDA				
1001	DDDDJIE.	4500			· N ·	JMP	(AØ)			
1062	ØØØD2Ø:	48E7 Ø	Ø38		'H8'	MOVE	M.L A2-A4,-(A7)			
1063	ØØØD24:	4CEF 1	FØØ 1	øøøc	'L'	MOVE	M.L \$ØØØC(A7),A	Ø-24		
1064										

```
5/28/91 12:53 PM
                                    HD:Lisa Device Drivers:SYSTEM.CD_PROFILE
                                                                                                                Page 15
        ØØØD2E: ØØ12 ØØAØ
 1065
                                                          ORI.B
                                                                     #$ØØAØ, (A2)
        ØØØD32: 177C ØØ3B ØØ7Ø '.|.;.p'
ØØØD38: Ø22B ØØDC ØØ58 '.+...X'
                                                                     #$ØØ3B,$ØØ7Ø(A3)
#$ØØDC,$ØØ58(A3)
 1066
                                                          MOVE.B
 1067
                                                          ANDI.B
        ØØØD3E: Ø22B ØØ7B ØØ6Ø '.+.{.`'
ØØØD44: ØØ2B ØØ6B ØØ6Ø '.+.k.`'
 1068
                                                          ANDI.B
                                                                     #$ØØ7B,$ØØ6Ø(A3)
 1069
                                                          ORI.B
                                                                     #$ØØ6B,$ØØ6Ø(A3)
 1070
        ØØØD4A: 7ØØØ
                                    'p.'
                                                         MOVEQ
                                                                     #$ØØ, DØ
                                                        MOVEP.W DØ, $ØØ46 (A3)
CLR.B $ØØ18 (A3)
 1071
        ØØØD4C: Ø18B ØØ46
                                      ...F'
 1072
        ØØØD5Ø: 422B ØØ18
                                    'B+..'
                                                    ANDI.B
ORI.B
ANDI.B
 1073
        ØØØD54: Ø22B ØØFC ØØ1Ø '.+...'
                                                                     #$ØØFC,$ØØ1Ø(A3)
        000D54: 022B 001C 0010 '.+...'
000D5A: 002B 001C 0010 '.+...'
 1074
                                                                      #$ØØ1C,$ØØ1Ø(A3)
 1075
                                                                     #$ØØFB, (A3)
 1076
                                                        ORI.B
BTST
                                                                     #$ØØ18, (A3)
#$ØØØØ, (A3)
        ØØØD64: ØØ13 ØØ18
        ØØØD68: Ø813 ØØØØ
 1077
                                                         BEQ.S
MOVE.W
                                                                                         ; ØØØØØD76
 1078
        ØØØD6C: 67Ø8
                                                                      *+$ØØØA
                                     ٠ø<...
 1079
        ØØØD6E: 3Ø3C Ø294
                                                                     #$Ø294,DØ
                                                                     *+$ØØE4
 1080
        ØØØD72: 6ØØØ ØØE2
                                    ******
                                                        BRA
BSR
                                                                                        ; ØØØØØE56
 1081
        ØØØD76: 61ØØ ØØF6
                                                                     *+$ØØF8
                                                                                         ; ØØØØØE6E
        ØØØD7A: 4A4Ø
                                    .e'
'g.'
 1082
                                                          TST.W
                                                                     DØ
                                                                      *+$ØØØA
 1083
        ØØØD7C: 67Ø8
                                                          BEQ.S
                                                                                         ; ØØØØØD86
                                                        MOVE.W
BRA
MOVEQ
BSR
TST.W
 1084
        ØØØD7E: 3Ø3C Ø75D
                                                                     #$Ø75D,DØ
 1085
        ØØØD82: 6ØØØ ØØCA
                                                                     *+$ØØCC
                                                                                         ; ØØØØØE4E
 1086
        ØØØD86: 74Ø1
                                    't.'
                                                                     #$Ø1,D2
                                    'a...'
                                                   BSR
TST.W
BNE
ANDI.B
ORI.B
MOVE.B
MOVEQ
MOVE.R
 1087
        ØØØD88: 61ØØ Ø11Ø
                                                                      *+$Ø112
                                                                                         ; ØØØØØE9A
        ØØØD8C: 4A4Ø
 1088
                                                                     DØ
        ØØØD8E: 66ØØ ØØBE
 1089
                                     'f...'
                                                                     *+$ØØCØ
                                                                                         ; ØØØØØE4E
        ØØØD92: Ø212 ØØDF
ØØØD96: ØØ12 ØØ2Ø
                                    ;...;
 1090
                                                                     #$ØØDF, (A2)
 1091
                                                                     #$ØØ2Ø, (A2)
        ØØØD9A: 177C ØØØ8 ØØ68 '.|...h'
 1092
                                                                     #$ØØØ8,$ØØ68 (A3)
                                    'p.'
 1093
        ØØØDAØ: 7ØØØ
                                                                     #$ØØ, DØ
 1094
        ØØØDA2: 174Ø ØØØ8
                                                          MOVE.B
                                                                     DØ, $ØØØ8 (A3)
 1095
        ØØØDA6: 4E71
                                    'Nq'
                                                         NOP
                                                  MOVE.B
MOVE.B
MOVE.B
MOVE.B
BTST
BEQ
MOVE.W
BRA
MOVEQ
BSR
TST.W
BNE
CLR.B
ORI.B
ANDI.F
 1096
        ØØØDA8: 177C ØØFF ØØØ8 '.[....'
                                                          MOVE.B
                                                                     #$ØØFF,$ØØØ8 (A3)
#$ØØFF,$ØØØ8 (A3)
        ØØØDAE: 177C ØØFF ØØØ8 '.|....'
 1097
        ØØØDB4: 177C ØØFF ØØØ8
ØØØDBA: 177C ØØØA ØØØ8
 1098
                                    '. | . . . . '
                                                                     #$ØØFF,$ØØØ8 (A3)
#$ØØØA,$ØØØ8 (A3)
                                    · .e . . .
 1099
        ØØØDCØ: 174Ø ØØØ8 '.e..'
ØØØDC4: Ø82B ØØØ3 ØØ68 '.+..h'
 1100
                                                                     DØ, $ØØØ8 (A3)
 1101
                                                                     #$ØØØ3,$ØØ68(A3)
        ØØØDCA: 67ØØ ØØØA 'g...'
ØØØDCE: 3Ø3C Ø296 'Ø<...'
 1102
                                                                                 ; ØØØØØDD6
                                                                     *+$ØØØC
 1103
                                                                     #$Ø296,DØ
                                                                     *+$ØØ7C
                                    '`..z'
 1104
        ØØØDD2: 6ØØØ ØØ7A
                                                                                         ; ØØØØØE4E
 1105
        ØØØDD6: 74Ø2
                                    't.'
                                                                     #$Ø2,D2
 1106
        ØØØDD8: 61ØØ ØØCØ
                                    'a...'
                                                                     *+$ØØC2
                                                                                         : ØØØØØE9A
 1107
        ØØØDDC: 4A4Ø
                                                                     DØ
 1108
        ØØØDDE: 66ØØ ØØ6E
                                     'f..n'
                                                                     *+$ØØ7Ø
                                                                                         ; ØØØØØE4E
        ØØØDE2: 422B ØØ18
                                    'B+..'
 1109
                                                                     $ØØ18(A3)
 1110
        ØØØDE6: ØØ13 ØØ18
                                    '....'
                                                                     #$ØØ18, (A3)
 1111
        ØØØDEA: Ø212 ØØDF
                                                         ANDI.B
                                                                     #$ØØDF, (A2)
                                                        ORI.B
MOVE.B
                                                                     #$ØØ2Ø, (A2)
#$ØØØ8,$ØØ68 (A3)
 1112
        ØØØDEE: ØØ12 ØØ2Ø
                                                    ORI.B
MOVE.B
MOVE.B
MOVE.B
MOVE.B
BTST
BEQ
MOVE.W
        ØØØDF2: 177C ØØØ8 ØØ68 '.|...h'
 1113
        ØØØDF8: 196B ØØØ8 ØØ16 '.k....'
 1114
                                                                     $ØØØ8 (A3),$ØØ16 (A4)
 1115
        ØØØDFE: 196B ØØØ8 ØØ17 '.k....'
                                                                     $ØØØ8 (A3),$ØØ17 (A4)
        ØØØEØ4: 196B ØØØ8 ØØ18 '.k....'
                                                                     $ØØØ8 (A3),$ØØ18 (A4)
$ØØØ8 (A3),$ØØ19 (A4)
 1116
        ØØØEØA: 196B ØØØ8 ØØ19 '.k....'
 1117
        ØØØE1Ø: Ø82B ØØØ3 ØØ68 '.+...h'
                                                                     $$ØØØ3,$ØØ68(A3)
 1118
 1119
        ØØØE16: 67ØØ ØØØ8
                                                                     *+$ØØØA
                                     'ø<...'
 1120
        ØØØE1A: 3Ø3C Ø296
                                                                     #$Ø296.DØ
        ØØØE1E: 6Ø2E
ØØØE2Ø: 7ØØD
                                                         BRA.S
MOVEQ
 1121
                                    15.7
                                                                     *+$ØØ3Ø
                                                                                       ; ØØØØØE4E
                                    'p.'
 1122
                                                                     #$ØD,DØ
                                                      MOVE.B
DBF
MOVE.B
        ØØØE22: 122B ØØØ8
                                                                     $ØØØ8 (A3), D1
 1123
 1124
        ØØØE26: 51C8 FFFA
                                                                     DØ,*-$ØØØ4
                                                                                         ; ØØØØØE22
        ØØØE2A: 196B ØØØ8 ØØ13 '.k...'
ØØØE3Ø: 7ØØ2 'p.'
 1125
                                                                     $ØØØ8 (A3),$ØØ13 (A4)
                                                        MOVEQ
MOVE.B
                                    'p.'
 1126
                                                                     #$Ø2,DØ
 1127
        ØØØE32: 122B ØØØ8
                                                                     $ØØØ8 (A3), D1
                                                     DBF
MOVE.B
MOVE.B
MOVE.B
MOVEQ
                                                                     DØ,*-$ØØØ4 ; Ø
$ØØØ8(A3),$ØØ23(A4)
        ØØØE36: 51C8 FFFA
                                     'Q...'
 1128
                                                                                           ØØØØØE32
        ØØØE3A: 196B ØØØ8 ØØ23 '.k...#'
 1129
        ØØØE4Ø: 196B ØØØ8 ØØ24 '.k...$'
                                                                     $ØØØ8 (A3),$ØØ24 (A4)
 1130
                                    '.k...%'
        ØØØE46: 196B ØØØ8 ØØ25
 1131
                                                                     $ØØØ8 (A3),$ØØ25 (A4)
 1132
        ØØØE4C: 7ØØØ
                                                                     #$ØØ,DØ
 1133
        ØØØE4E: 422B ØØ18
                                                          CLR.B
                                                                     $ØØ18 (A3)
 1134
        ØØØE52: ØØ13 ØØ18
                                                         ORI.B
                                                                     #$ØØ18, (A3)
                                                      MOVE.B
MOVE.B
MOVEM.L
                                                                     #$ØØ3B,$ØØ68 (A3)
#$ØØA2,$ØØ7Ø (A3)
 1135
        ØØØE56: 177C ØØ3B ØØ68 '.|.;.h'
        ØØØE5C: 177C ØØA2 ØØ7Ø '.|...p'
 1136
                                    'L...'
 1137
        ØØØE62: 4CDF 1CØØ
                                                                      (A7) + A2 - A4
 1138
        ØØØE66: 4FEF ØØ14
                                                          LEA
                                                                      $ØØ14(A7),A7
 1139
        ØØØE6A: 3E8Ø
                                                          MOVE.W
                                                                      DØ, (A7)
 1140
        ØØØE6C: 4EDØ
                                                          JMP
                                                                      (AØ)
```

0/28/91	12:53 PM				HD:Lisa Device	e Drivers:SYSTEM	#\$## A. CD_PROFILE  #\$## A		Page 16
1141	ØØØE6E:	7ØØØ			'p.'	MOVEQ	<b>‡</b> \$ØØ,DØ		
1142	ØØØE7Ø:	223C	ØØØC	ØØØØ	'"<'	MOVE.L	#\$ØØØCØØØØ,D1		
1143	ØØØE76:	Ø813	øøø1		''	BTST	#\$ØØØ1, (A3)	aaaaam oo	,
1144	ØØØE7A:	66Ø6			'f.'	BNE.S_	*+\$ØØØ8 ;	000000582	
1145	ØØØE7C:	5381			'S.'	SUBQ.L	#\$1,D1	aaaaaxe 7 6	•
1146	ØØØE7E:	66F6			'f.'	BNE.S	*-\$0008 ;	DEDOORE / 6	
1147	ØØØE8Ø:	7øø1			'p.'	MOVEQ	#201,00		
1148	ØØØE82:	4E75			'Nu'	RTS	*****		
1149	ØØØE84:	7ØØØ			'p.'	MOVEQ	#\$00,00		
1150	ØØØE86:	223C	øøøc	ØØØØ	'"<'	MOVE.L	#\$000C00000,DI		
1151	ØØØE8C:	Ø813	øøø1			BTST	#\$0001, (A3)	AND	!
1152	ØØØE9Ø:	67Ø6			'g.'	BEQ.S	*+\$6668	PARAME 30	,
1153	ØØØE92:	5381			'S.'	SORO.T	# \$1,UI	MANAGER SC	•
1154	ØØØE94:	66F6			'I.'	MOVEO	#\$@1 D@	DDDDDDD	
1155	000E96:	1001			p.	DTC	¥001,00		
1156	ØØØE98:	4E/5	<i>aaa</i> 0		NU.	MUAL D	#50002 50068 (A3)		
1157	ØØØE9A:	7770	99992	8 6 6 6 6 6	n	DOAE'D	#SOOFF (A3)		
1158	000EA0:	0213	OOFF	•		ANDI.B	#50008 (A3)		
1159	000EA4:	4222	0000	•	101	CLR B	50018 (A3)		
1160	MOMENC:	4442B	דשש	,	1a '	BSR.S	*-\$ØØ28 :	ØØØØØE84	1
1163	OCCUPAC:	47 4W			'.TA'	TST.W	DØ ,		
1163	MONOCAE:	67.05			'a.'	BEO.S	*+\$@@@8 :	ØØØØØEB	3
1164	CONTROL :	30/30	Ø750	١	'0< 1'	MOVE. W	#\$Ø75D.DØ		
1165	MONTE S	AFTE	ענוש	,	'Nu'	RTS	.,		
1166	ONDINE DO:	1225	0079	ì.	'.+.x'	MOVE. B	\$ØØ78 (A3) . D1		
1167	SOUTEC.	0212	SOF 7	í	1	ANDI.B	\$\$ØE7. (A3)		
1160	MANUEDC:	1770	SOUTE !	Γ <i>Ο</i> ΙΟΝΊΩ		MOVE B	#\$ØØFF,\$ØØ18 (A3)		
1160	DEDECE:	B2012	DUE	. DDIO		CMP.B	D2, D1		
1170	MAGECO.	5610			16 1	BNE S	*+\$ØØ1E :	ØØØØØEE	6
1171	MANUECO:	1770	0055	0078	: '   H x'	MOVE. B	#\$ØØ55.\$ØØ78(A3)		
1172	MAREDA.	0013	0010	X ED.O		ORT.B	#SØØ1Ø. (A3)		
1172	MAMEDA.	6198	DDIE	,	'	BSR.S	*-SØØ66 ;	: ØØØØØE 61	E
1174	MAMEDS.	4340			'.TA '	TST.W	DØ		
1175	MOMEDS:	67014			'a.'	BEQ.S	*+\$ØØØ6 ;	; ØØØØØEDI	2
1176	gggena .	3030	Ø75F	)	'ø<.1'	MOVE.W	#\$Ø75D,DØ		
1177	MAMEDE:	1770	aaaa	9 00 68	. '. l h '	MOVE.B	#SØØØ2, \$ØØ68 (A3)		
1178	MOMOREA.	4F75			'Nu'	RTS			
1179	MAMER 6	1770	OOL	00178	x1	MOVE.B	#SØØAA.\$ØØ78(A3)		
1180	OCCUPEC:	0013	0010	x 22,0		ORT.B	#\$ØØ1Ø. (A3)		
1181	MMMEFM:	6100	FF70		'a!'	BSR	*-\$ØØ82	; ØØØØØE6	E
1182	MOMETA:	3030	0757	Ā	'Ø< . Z '	MOVE.W	#\$Ø75A,DØ		
1183	OCCEPS:	1770	999	2 ØØ68	1 '.lh'	MOVE.B	#\$ØØØ2,\$ØØ68(A3)		
1184	ØØØEFE:	4E75			'Nu'	RTS			
1185	ØØØFØØ:	2Ø5F	•		, ,	MOVE.L	(A7) +, AØ		
1186	ØØØFØ2:	225F	•		, ,,-,	MOVE.L	(A7) + A1		
1187	ØØØFØ4:	1370	: ØØ3I	B ØØ7Ø	'.T.;.p'	MOVE.B	#\$ØØ3B,\$ØØ7Ø(A1)		
1188	ØØØFØA:	4ED2	,		'N.'	JMP	(AØ)		
1189	ØØØFØC:	4EBA	Ø610	С	'N'	JSR	*+\$Ø61E	; ØØØØ152	A
1190	ØØØF1Ø:	4E56	000	ø	'NV'	LINK	A6,#\$ØØØØ		
1191	ØØØF14:	2C5F	•		1, 1	MOVE.L	(A7)+,A6		
1192	ØØØF16:	4E55	g øøø	ø	'NŪ'	LINK	A5, <b>∦</b> \$ØØØØ		
1193	ØØØF1A:	9FE	øø1	Ø	''	SUBA.L	\$ØØ1Ø(A5),A7		
1194	ØØØF1E:	4EBA	Ø6ØI	E	'N'	JSR	*+\$Ø61Ø	; ØØØØ152	E
1195	ØØØF22:	4EB	FD5	С	'N\'	JSR	72212	,	
1196					'N'	JSR	*+\$Ø6ØE	; ØØØØ153	4
1197					'N]'	UNLK	A5		
1198				E	'N'	JSR	*+\$Ø6ØØ	; ØØØØ152	С
1199					'Nu'	RTS			
1200					' N^ '	UNLK	A6		
1201	ØØØF34:	4E75	5		'Nu'	RTS			
1202	ØØØF36:				'.R'	AND.W	(A2),D2		
1203					'IV'	PEA	(A6)		
1204	ØØØF3A:	4552	2		'ER'	NEG.W	(A2)		
1205				Ø	'MA'	MOVEM.L	D1		
1206		: 4E5	6 FFF	4	'NV'	LINK	A6,#SFFF4		
1207		: 48E	7 Ø31	8	'H'	MOVEM.L	D6/D7/A3/A4,-(A7	)	
1208	ØØØF 48	: 2E2	e øøø	8	<b>''</b>	MOVE.L	\$ØØØ8 (A6) , D7		
1209					','	MOVE.L	\$ØØØC (A6), D6		
1210					' G'	MOVE.L	D7,AØ		
				4	'&h'	MOVE.L	\$ØØØ4 (AØ) , A3		
1211					' G'	MOVE.L	D7,AØ		
				E	'(h.>'	MOVE.L	\$ØØ3E (AØ) , A4		
1212	ØØØF58	280	י.שעשים						
1212 1213	ØØØF58 ØØØF5C	197	ଅଷ୍ଟ ଅଷ୍ଟ	1 ØØ1.	4 '.1'	MOVE.B	#\$ØØØ1,\$ØØ14(A4)		
1212	ØØØF5C	: 197	c øøø	1 øø1	4 '. ' '.G'	MOVE.B MOVE.L	#\$ØØØ1,\$ØØ14(A4) D7,AØ		

	-2.23 1 17				LID.LISA DEVI	O Dilyela.3 I	J 1 11/1.C	D_PROFILE  ,AØ  Ø3E (AØ), DØ  28, D1 , DØ , \$ØØØA (A3) Ø18 (A4), \$ØØØA (A3) Ø14 (A3) , -(A7) \$ØE4E , AØ  Ø1A (A3), (AØ) , AØ  Ø0A  Ø1A (A3), (AØ) , AØ  Ø0A  Ø1A (A3), (AØ)  \$ØØB1  Ø1A (AØ)  \$ØØB1  Ø1A (AØ)  \$ØB1  Ø1A (AØ)  \$ØB1  \$ØB1		Page
1217	ØØØF6A:	2Ø47			' G'	MOVE	.L D7	, AØ		
1218	ØØØF6C:	2Ø28	ØØ3E		' (.>'	MOVE	.L \$Ø	Ø3E (AØ) , DØ		
1219	ØØØF7Ø:	7228			'r('	MOVE	Q #\$.	28,D1		
1220	ØØØF72:	DØ81			1	ADD.	L D1	, DØ		
1221	ØØØF74:	274Ø	ØØØA		''0'	MOVE	.L DØ	, \$ØØØA (A3)		
1222	ØØØF78:	176C	ØØ18	ØØØA	'.1'	MOVE	.B \$Ø	Ø18 (A4) , \$ØØØA (	A3)	
1223	ØØØF7E:	426B	ØØ14		'Bk'	CLR.	w şø	Ø14 (A3)		
1224	ØØØF82:	2FØ7			1/.1	MOVE	.L D7	, - (A7)		
1225	ØØØF84:	4EBA	F1BØ		'N'	JSR	*-	\$ØE4E	: ØØØØØ136	
1226	ØØØF88:	2Ø46			' -F'	MOVE	.L D6	, AØ		
1227	ØØØF8A:	3ØAB	ØØ1A		'Ø'	MOVE	.W \$Ø	Ø1A(A3),(AØ)		
1228	ØØØF8E:	2Ø46			· F'	MOVE	.L D6	, AØ		
1229	ØØØF9Ø:	4A5Ø			'JP'	TST.	W (A	Ø)		
1230	ØØØF92:	67ØE			'g.'	BEQ.	S *+	\$ØØ1Ø	ØØØØØFA2	
1231	ØØØF94:	2Ø46			' F'	MOVE	.L D6	, AØ		
1232	ØØØF96:	ØC5Ø	øøø1		'.P'	CMPI	.W #\$	ØØØ1,(AØ)		
1233	ØØØF9A:	66Ø6			'f.'	BNE.	S *+	\$ØØØ8	; ØØØØØFA2	
1234	ØØØF9C:	377C	ØØ64	ØØ2Ø	'7 .d. '	MOVE	.W #\$	ØØ64,\$ØØ2Ø(A3)		
1235	ØØØFA2:	4CDF	18CØ		'L'	MOVE	M.L (À	7)+,D6/D7/A3/A	4	
1236	ØØØFA6:	4E5E			. N	UNLK	A6			
1237	ØØØFA8:	2Ø5F			' _'	MOVE	.L (A	7)+,AØ		
1238	ØØØFAA:	5Ø4F			' PO'	ADDQ	.W #\$	8,A7		
1239	ØØØFAC:	4EDØ			'N.'	JMP	(A	Ø)		
1240	ØØØFAE:	D354			'.T'	ADD.	W D1	, (A4)		
1241	ØØØFBØ:	4152			'AR'	NEGX	.W (A	2)		
1242	ØØØFB2:	545F			'T_'	ADDQ	.W #\$	2, (A7)+		
1243	ØØØFB4:	4E4F			' NŌ '	TRAP	#\$	F		
1244	ØØØFB6:	ଉଉଉଉ	4E56		'NV'	ORI.	B #\$	4E56, DØ		
1245	ØØØFBA:	FFE8			1	\$\$\$\$				
1246	ØØØFBC:	48E7	ØF18		'H'	MOVE	M.L D4	-D7/A3/A4, - (A7)	)	
1247	ØØØFCØ:	2Ø6E	øøø8		' n'	MOVE	.L \$Ø	ØØ8 (A6) , AØ		
1248	ØØØFC4:	2E28	ØØØ4		'.('	MOVE	.L \$Ø	ØØ4 (AØ) , D7		
1249	ØØØFC8:	2Ø6E	ØØØE		' n'	MOVE	.L \$Ø	ØØE (A6), AØ		
1250	øøøfcc:	3ØBC	Ø28D		'Ø'	MOVE	.W #\$	Ø28D, (AØ)		
1251	øøøfdø:	7A28			'z('	MOVE	Q #\$	28,D5		
1252	ØØØFD2:	ØC6E	øøø2	ØØØC	'.n'	CMPI	.W #\$	ØØØ2,\$ØØØC(A6)		
1253	ØØØFD8:	66Ø4			'f.'	BNE.	s *+	\$ØØØ6	: ØØØØØFDE	
1254	ØØØFDA:	DA7C	Ø2ØØ		'.1'	ADD.	W #\$	Ø2ØØ,D5		
1255	ØØØFDE:	2C3C	øøøø	ø2øø	',<'	MOVE	.L #\$	ØØØØØ2ØØ,D6		
1256	ØØØFE4:	4267			'Bg'	CLR.	W - ()	A7)		
1257	ØØØFE6:	3FØ5			'?.'	MOVE	.W D5	, - (A7)		
1258	ØØØFE8:	2Ø46			' F'	MOVE	.L D6	, AØ		
1259	ØØØFEA:	2F1Ø			'/.'	MOVE	.L (A	Ø),-(A7)		
1260	ØØØFEC:	486E	FFF8		'Hn'	PEA	\$F	FF8 (A6)		
1261	ØØØFFØ:	4EBA	FØ38		'N8'	JSR	_ *-	SØFC6	; ØØØØØØZA	
1262	ØØØFF4:	101F	<b></b> -		''	MOVE	.B (A	7)+,DØ		
1263	ØØØFF6:	6700	ØØF4		'g'	BEQ	*+	\$ØØF6	; ØØØØ1ØEC	
1264	ØØØFFA:	2Ø6E	ØØØE		'_n'	MOVE	.L \$Ø	ØØE (A6), AØ		
1265	ØØØFFE:	425Ø			'BP'	CLR.	W (A	Ø)		
1266	ØØ1ØØØ:	2D6E	FFF8	FFF4	'-n'	MOVE	.L \$F	FF8 (A6) , \$FFF4 (	A6)	
1267	MØ1006:	286E	FFF4		'(n'	MOVE	.L \$F	FF4(A6),A4		
1268	ØØ1ØØA:	296E	ØØØ8	ØØ1A	')n'	MOVE	.L \$Ø	ØØ8 (A6) , \$ØØ1A (	A4)	
1269	ØØ1Ø1Ø:	196E	ØØØD	ØØ18	'.n'	MOVE	.B \$Ø	ØØD (A6) , \$ØØ18 (2	A4)	
1270	ØØ1Ø16:	42AC	ØØ1E		'B'	CLR.	L \$Ø	Ø1E (A4)		
12/1	DATATA:	4/50	ØØØA		· G ·	LEA	\$10	00A (A4), A3		
1272					' F'	MOVE		, AØ		
1273					1 • 1	MOVE		, Dø		
1274	ØØ1Ø22:				1	SUB.	•	Ø),DØ		
1275					'6.'	MOVE		, (A3)		
1276					'7s'	MOVE		3),\$ØØØ2(A3)		
1277	ØØ1Ø2A:				'/'	MOVE		FF4(A6),-(A7)		
1278			FØBA		'N'	JSR			; ØØØØØØEA	
1279					' G'	MOVE		, AØ		
1280					'?(.8'	MOVE		Ø38 (AØ) , - (A7)		
1281					'Hn'	PEA		FF2 (A6)		
1282	ØØ1Ø3C:		FØ4C		'NL'	JSR			; ØØØØØØ8A	
1283					' G'	MOVE		, AØ		
1284					' h.>'	MOVE	.L \$Ø	Ø3E (AØ) , AØ		
1285			ØØ24	ØØ24	')h.\$.\$'	MOVE		Ø24 (AØ) , \$ØØ24 (I	A4)	
1286					' G'	MOVE		, AØ		
1287	ØØ1Ø4E:	2Ø68	ØØ3E		' h.>'	MOVE		Ø3E (AØ) , AØ		
1288	ØØ1Ø52:				'Ø('	MOVE		ØØ8 (AØ) , DØ		
1289	ØØ1Ø56:				']@'	SUBQ		6, DØ		
1290	ØØ1Ø58:				'H.'	EXT.				
1291	ØØ1Ø5A:				' F'	MOVE		, AØ		
		221Ø			111,1					

20//1	12.JJ F W		-	HD.LISA DEVIC	e Dilveis.3131E	M.CD_PROFILE		Page
1293	ØØ1Ø5E:	D28Ø		1	ADD.L	M.CD_PROFILE  DØ,D1 D1,D4 D7,AØ D7,A1 \$ØØ3E(AØ),DØ \$\$ØØ42(A1),DØ *+\$ØØØA ;T7,AØ \$FFF4(A6),\$ØØ3E(A6) D7,AØ \$\$FFF4(A6),DØ \$\$1,DØ D7,AØ DØ,\$ØØ46(AØ),DØ \$\$1,DØ D7,AØ DØ,\$ØØ6(AØ) D6,AØ (AØ),-(A7) *-\$1Ø82 D7,AØ \$\$ØØ6(AØ) D6,AØ (AØ),-(A7) *-\$1Ø82 \$D7,AØ \$\$ØØE(A6),-(A7) D7,-(A7) *-\$1188 \$\$FFF2(A6),-(A7) D7,-(A7) *-\$118 \$\$FFF2(A6),-(A7) \$\$FFF4(A6),AØ \$\$ØØE(A6),AØ \$\$ØØE(A6),AØ \$\$\$\$FFF4(A6),AØ \$\$\$\$FFF4(A6),AØ \$		
1294	ØØ1Ø6Ø:	28Ø1		'(.'	MOVE.L	D1,D4		
1295	ØØ1Ø62:	2047		' G'	MOVE.L	D7,AØ		
1296	ØØ1Ø64:	2247		' "G'	MOVE.L	D7,A1		
1297	ØØ1Ø66:	2Ø28 Ø	Ø3E	' (.>'	MOVE.L	\$ØØ3E (AØ) , DØ		
1298	ØØ1Ø6A:	BØA9 Ø	Ø42	'B'	CMP.L	\$ØØ42(A1),DØ		
1299	ØØ1Ø6E:	66Ø8		'f.'	BNE.S	*+\$ØØØA ;	ØØØØ1Ø78	
1300	ØØ1Ø7Ø:	2Ø47		' G'	MOVE.L	D7.AØ		
1301	ØØ1Ø72:	216E F	FF4 ØØ3E	'!n>'	MOVE.L	SFFF4 (A6), SØØ3E (A	Ø)	
1302	ØØ1Ø78:	2Ø47		' G'	MOVE. L	D7.AØ	-,	
1303	ØØ1Ø7A:	3Ø28 Ø	Ø46	'Ø(.F'	MOVE. W	\$ØØ46 (AØ) . DØ		
1304	ØØ1Ø7E:	524Ø		'RA'	ADDO.W	#\$1.DØ		
1305	ØØ1Ø8Ø:	2047		່າເຕັ	MOVE T.	D7 AØ		
1306	ØØ1Ø82:	3140 0	Ø46	'18 F'	MOVE W	Da Saale (Da)		
1307	ØØ1Ø86:	486C Ø	996 -	' " "	DEA	\$0006 (34)		
1308	ØØ1Ø8A:	2044	~~ •	יח'	MOVE I.	DA AØ		
1309	ØØ1Ø8C:	4868 Ø	aa s	' Hb '	DEA	\$0006 (30)		
1310	991999	2046		1 1 1	MOUTE T	DE NO		
1311	001000.	2610			MOVE.L	10, AU		
1212	001032.	APDA P	m2.0	437	MOVE.L	(Ab), - (A/)	~~~~	
1212	001094:	4EBA E	E /C	, N   ,	JSR	*-\$1082 ;	000000012	
1313	ממומט:	4041	~~·	· • · · · ·	MOVE.L	D/, AØ		
1314	MOTOA:	2008 Ø	1001 0046	hF'	CMPI.W	#\$ØØØ1,\$ØØ46(AØ)		
1312	WWIWAW:	AQOO		I.	BNE.S	*+\$ØØØC ;	ØØØØ1ØAC	
1316	0010A2:	2F2E Ø	ØØE	'/'	MOVE.L	\$ØØØE (A6),-(A7)		
1317	ØØ1ØA6:	2FØ7		'/.'	MOVE.L	D7, - (A7)		
1318	ØØ1ØA8:	4EBA F	E96	'N'	JSR	*-\$Ø168 ;	ØØØØØF 4Ø	
1319	ØØ1ØAC:	3F2E F	FF2	'?'	MOVE.W	\$FFF2(A6),-(A7)		
1320	ØØ1ØBØ:	4EBA E	FEØ	'N'	JSR	*-\$1Ø1E ;	ØØØØØØ92	
1321.	ØØ1ØB4:	2Ø6E Ø	ØØE	' n'	MOVE.L	\$ØØØE (A6), AØ		
1322	ØØ1ØB8:	øcsø ø	ØØ1	'.P'	CMPI.W	#\$ØØØ1. (AØ)		
1323	ØØ1ØBC:	6626		'f&'	BNE.S	*+\$ØØ28	ØØØØ1ØE4	
1324	ØØ1ØBE:	2F2E F	FF4	'/'	MOVE. L	SFFF4(A6)(A7)	<b></b> •	
1325	ØØ1ØC2:	486E F	FF4	'Hn'	PEA	SFFF4(A6)		
1326	ØØ1ØC6:	4EBA F	F8A	'N '	JSP	*-\$1Ø74 ·	<i><b>ØØØØØØ</b></i> 52	
1327	ØØ1ØCA	2Ø6F F	FF4	' n '	MOVE T	SEFEA(A6) AØ	~~~~~~	
1328	ØØ1 ØCE	1028 0	Ø1.5	1.7.	MUME B	\$0015 (30) DO		
1329	ØØ1ØD2 •	6708	~10	'~`'	DEV 6	*+\$000	aaaa1anc	
1330	001 0D4 ·	2065 4	ØØF	y. 'n '	MULL 1	SOOR ING NO	PERFIT	
1331	001004:	425M	NE	II	MOVE.L	(AD), AM		
1333	MAINTA -	44 JW		Dr .	CTK.M	(AU)	aaaa1 c= 1	
1222	MOLINDA:	2016E ~	aar		BKA.S	-+>000A ;	00001ØE4	
1224	ממוזמטכ:	2005 0	NO DE	n'	MOVE.L	SUUDE (Ab), AD		
1225	MATAFA:	PARC &	28E	· Ø '	MOVE.W	#\$Ø28E, (AØ)		
1335	MATAF4:	ZFZE F	F 1 4	'/•••'	MOVE.L	\$EEE4 (A6), - (A7)		
1336	MATAER:	4EBA E	122	'N"'	JSR	*-\$1ØDC ;	<b>MADAMAQC</b>	
1551	MOTOEC:	4CDF 1	8F.0	'L'	MOVEM.L	(A7) + D4 - D7/A3/A4		
1338	0010F0:	4E5E		' N^ '	UNLK	A6		
1339	ØØ1ØF2:	2Ø5F		' _'	MOVE.L	(A7)+,AØ		
1340	ØØ1ØF4:	DEFC Ø	ØØA	''	ADDA.W	#\$ØØØA,A7		
1341	ØØ1ØF8:	4EDØ		'N.'	JMP	(AØ)		
1342	ØØ1ØFA:	CE4F		'.0'	AND.W	A7,D7		
1343	ØØ1ØFC:	4E49		'NI'	TRAP	#\$9		
1344	ØØ1ØFE:	4F5F		'0''	UNLK	A7		
1345	ØØ11ØØ:	5245		'RĒ'	ADDQ.W	#\$1,D5		
1346	ØØ11Ø2:	ØØØØ 4	E56	'NV'	ORI.B	#\$4E56,DØ		
1347	ØØ11Ø6:	FFCE		''	\$\$\$\$	,		
	ØØ11Ø8:		F18	'H'		D4-D7/A3/A4, - (A7)		
1349	ØØ11ØC:			·*	MOVE.L			
	ØØ111Ø:		220	E'		\$ØØØ8(A6),D5		
1351				· P·	MOVE.L	D5, AØ		
			aa A		MOVE.L	(AØ),AØ		
1352			1010 4	'· <u>(</u> ··'	MOVE.L	\$ØØØ4 (AØ), D7		
	ØØ1118:			' E'	MOVE.L	D5,AØ		
1354				'Ø('	MOVE.W	\$ØØØ4 (AØ) , DØ		
1355	ØØ111E:	67ØØ Ø	298	'g'	BEQ		ØØØØ13B8	
	ØØ1122:			'S@'	SUBQ.W	#\$1,DØ		
	ØØ1124:			'g&'	BEQ.S	*+\$ØØ28 ;	ØØØØ114C	
	ØØ1126:	554Ø		'Ū@'	SUBQ.W	#\$2,DØ		
1359	ØØ1128:	67ØØ Ø	2CA	'g'	BEQ		ØØØØ13F4	
	ØØ112C:			'S@'	SUBQ.W	#\$1,DØ		
1361	ØØ112E:	6700 a	139A	'g'	BEQ		ØØØØ14CA	
1362				'W@'	SUBQ.W	#\$3,DØ	~~~~ 10h	
	ØØ1134:		1208				00001 2EE	
	ØØ1134:		200	'g'	BEQ		ØØØØ13FE	
1265	001138:	5040		'10'	SUBQ.W	#\$6,DØ	aaaa11.cc	
	ØØ113A:			'gø'	BEQ.S		ØØØØ116C	
	ØØ113C:			'S@'	SUBQ.W	#\$1,DØ		
1367			2ØØ	'g'	BEQ	*+\$Ø2Ø2 ;	ØØØØ134Ø	
1368		594Ø		'Ŷ@'	SUBQ.W	#\$4,DØ		

,,,,,,,	12:35 PM				HD:LISA Devi	ce Drivers:SY	STEM.CD_PRO	FILE		Page 1
1369	ØØ1144:	67ØØ	Ø1CE		'g'	BEQ	STEM.CD_PRO  *+\$Ø1DØ *+\$Ø3BA .L D5,AØ .L (AØ),-(A7) *-\$1Ø5E \$FFE4 (A6) .L D5,-(A7) *-\$1Ø64 .W \$FFE4 (A6) .W \$FFE4 (A6) .W \$FFE4 (A6) .W \$\$FFE0 (A6) .W \$\$000022 W -(A7) .W \$\$000022 W -(A7) .W \$\$000022 W -(A7) .L \$\$0000022 W -(A7) .L \$\$0000022 W -(A7) .L \$\$0000022 W -(A7) .L \$\$0000022 W -(A7) .L \$\$00000022 W -(A7) .L \$\$FFFØ (A6) .L D6,A4 .L D5,AØ .L D6,A4 .L D7,AØ .L \$\$FFFØ (A6) .L D6,A4 .L D7,AØ .L \$\$\$0000000000000000000000000000000000		ØØØØ131	4
1370	ØØ1148:	6ØØØ	Ø3B8		151	BRA	*+\$Ø3BA	,	00001502	• 2
1371	ØØ114C:	2Ø45			' E'	MOVE	.L D5,AØ	•		_
1372	ØØ114E:	2F1Ø			1/.1	MOVE	.L (AØ) (A7	')		
1373	ØØ115Ø:	4EBA	EFAØ		'N'	JSR	*-\$1Ø5E	<i>'</i>	adadaar:	2
1374	ØØ1154:	486E	FFE4		'Hn'	PEA	SFFE4 (A6)	•		•
1375	ØØ1158:	2Ø45			' E'	MOVE	.T. DS 30			
1376	ØØ115A:	2F1Ø			1/-1	MOVE	T. (30) - (37	11		
1377	ØØ115C:	2FØ5			,/, ,	MOVE	. DE _ (37)	,		
1378	ØØ115F•	AFRA	FFGX		'N '	TOD	. b bb, - (A/)	_	aaaaaaan:	
1370	001162	30 65	EF JA	aaac	lv	VOICE	~-91004	`````	ו זמטטטטטטו	A
1390	001102.	COOR	0270	DORC	-11	MOVE	.w \$2254 (Ab)	, \$666C (A	.6)	_
1201	001166	שששט	MOUD	aaaa		BRA	*+\$Ø3AE	;	ØØØØ151	5
1201	001100:	3070	0200	000C	` <b>=</b> [••••`	MOVE	.w #\$028D,\$0	100C (A6)		
1302	001172:	2030	שששש	6266	`(<`	MOVE	.L #\$00000020	XØ, D4		
1303	001170:	4407	~~~~		'Bg'	CLR.	W - (A7)			
1384	0011/A:	3F3C	ØØ38		'?<.8'	MOVE	.₩ #\$ØØ38,-(	(A7)		
1385	00117E:	2Ø44			, D.	MOVE	.L D4,AØ			
1386	ØØ118Ø:	2F1Ø			'/.'	MOVE	.L (AØ),-(A7	')		
1387	ØØ1182:	486E	FFFØ		'Hn'	PEA	\$FFFØ(A6)			
1388	ØØ1186:	4EBA	EEA2		'N'	JSR	*-\$115C	:	00000000	A
1389	ØØ118A:	1Ø1F			• • •	MOVE	.B (A7)+.DØ	•		-
1390	ØØ118C:	6700	Ø182		'a'	BEO	*+\$Ø184		000001210	8
1391	ØØ119Ø:	2C2F	FFFØ		,	MULLE	I. SEFFOIRS	D6 '	~~~~1011	-
1392	ØØ1194 ·	2846			· (F'	MOLLE	T. DE 34	, 50		
1393	001196	2015			' E''	MOVE	T DE MA			
1394	001100.	2650			' LD'	MOVE	עא,כע ע.			
1305	001130:	20147			ar ' C'	MOVE	.ь (AA) дз			
1200	MULLYA:	204/		~~~.		MOVE	. ш D/, AØ			
1396	00119C:	216E	FFFØ	ØØØ4	'!n'	MOVE	.L \$FFFØ(A6)	,\$ØØØ4(A	Ø)	
1397	0011A2:	2D6B	ØØØ8	FFF8	'-k'	MOVE	.L \$ØØØ8(A3)	, \$FFF8 (A	.6}	
1398	ØØ11A8:	4A2B	ØØ33		'J+.3'	TST.	B \$ØØ33 (A3)			
1399	ØØ11AC:	6D4E			'mN'	BLT.	S *+\$ØØ5Ø	;	ØØØØ11F0	2
1400	ØØ11AE:	7Ø7E			'p~'	MOVE	Q #\$7E,DØ			
1401	ØØ11BØ:	2FØØ			٠7. ·	MOVE	.L DØ, - (A7)			
1402	ØØ11B2:	2F3C	ØØØ2	ØØØØ	'/<'	MOVE	.L #50002000	Ø. – (A7)		
1403	ØØ11B8:	4EBA	EF58		'N. X'	JISR	*-\$1ØA6	,	<i>aaaaa</i> a111	,
1404	ØØ11BC:	102B	0032		1 + 21	MOVE	B \$0032/32/	, מם	DDDDDTT	-
1405	ØØ11CØ+	4880				EVT	.D 70032(A3)	, טע		
1406	001100.	1000			11.	EVI.	שט ח			
1407	001102.	3000	aaaa	4000	п.	EXT.	_ D0			
1407	001104:	2130	ממממ	4000	'/<	MOVE	.L #50000400	Ø, - (A7)		
1408	DOITCA:	21.00			'/•'	MOVE	.L DØ, - (A7)			
1409	MOTICC:	4EBA	EF44		'ND'	JSR	*-\$1ØBA	;	ØØØØØ112	2
1410	ØØ11DØ:	2Ø1F			٠.٠	MOVE	L (A7) + DØ			
1411	ØØ11D2:	DØ9F			<b>''</b>	ADD.	L (A7)+,DØ			
1412	ØØ11D4:	DØBC	ØØØØ	2ØØ1	'	ADD.	L #\$ØØØØ2ØØ	1,DØ		
1413	ØØ11DA:	122B	ØØ33		'.+.3'	MOVE	.B \$ØØ33(A3)	, D1		
1414	ØØ11DE:	4881			'H.'	EXT.	W D1			
1415	ØØ11EØ:	C3FC	Ø8ØØ		1	MULS	#\$Ø8ØØ.D1			
1416	ØØ11E4:	48C1			'H.'	EXT	r. ni			
1417	ØØ11E6:	D28Ø			17.1	חחע.	ות מת			
1418	ØØ11E8 ·	2881			17.1	MOTE.	T. D1 (34)			
1419	ØØ11EA ·	2954	00001		'\n'	MULLE	T. /3/1\ 60/0/0	14 (24)		
1420	ØØ11EE:	2020	0001		','	MOVE	1 CAMPA 1341	יש (איז) די חמו		
1421	ØØ11F2:	7210	2224		,	MOVE	.L \$0004(A4)	, שע		
1422	ØØ11F4:	141W			'r.' ''	MOVE	Q #\$1Ø,D1			
1422	001154:	2044				ADD.	L D1,DØ			
	ØØ11F6:				'-@'	MOVE				
	ØØ11FA:				! . !	BRA.	•	;	ØØØØ1222	A
	ØØ11FC:				'p~'	MOVE				
	ØØ11FE:				17.1	MOVE	.L DØ,-(A7)			
					'/<'	MOVE	.L #\$ØØØ2ØØØ	Ø,-(A7)		
	ØØ12Ø6:		EFØA		'N'	JSR	*-\$1ØF4		ØØØØØ112	2
1429	ØØ12ØA:	2Ø1F				MOVE		•		
1430	ØØ12ØC:	DØBC	ØØØØ	DOM:		ADD.		1.DØ		
	ØØ1212:				; (·;	MOVE				
1432	ØØ1214:	2Ø14			1 1	MOVE				
1433	ØØ1216	DØRC	gggg	01400	· ·	ADD.	2	Mar Dari		
1434	ØØ121C:	2940	0000	2700	')@'					
	ØØ121C:					MOVE				
					1, 1	MOVE		, שט		
1436	ØØ1224:	2880			'X.'	ADDQ				
1437	ØØ1226:	2D4Ø	FFFC		'-@' 'B,.('	MOVE				
1438	ØØ122A:	422C	ØØ28		'B,.('	CLR.	B \$ØØ28(A4)			
1439	ØØ122E:	42AC	ØØ2A		'B*'	CLR.				
1440	ØØ1232:	426C	ØØ36		'B1.6'	CLR.				
4 4 4 4	ØØ1236:	42AC	ØØ22		'B"'	CLR.				
1441					'n'	MOVE				
	ØØ123A •	200								
1442	ØØ123A:	206E	8888	25E8	111%.1	MOVE			10)	

5/28/91	12:53 PM				HD:Lisa Device Di	rivers:SYSTE	M.CD_PROFILE  \$FFF8 (A6), AØ \$ØØ12 (AØ) \$ØØ1C (A4) \$\$ØØ0A, \$ØØØE (A4) \$\$ØØ0A, \$ØØØE (A4) \$\$ØØ01, \$ØØØB (A7) \$\$FFFC (A7) \$\$(A4), \$	Page 20
1445	ØØ1246:	2Ø6E	FFF8		' n'	MOVE.L	\$FFF8 (A6), AØ	
1446	ØØ124A:	4228	ØØ12		'B('	CLR.B	\$ØØ12 (AØ)	
144/	00124E:	42AC	ØØIC	~~~	'B'	CLR.L	\$ØØ1C (A4)	
1440	001252:	1970	AGGG	NONE		MOVE.B	#\$ØØØA,\$ØØØE (A4)	
1450	ØØ125E:	197C	00003 0001	000E	, , , , ,	MOVE.B	#\$0003,\$000E(A4)	
1451	ØØ1264:	4A2B	ØØ33		'J+.3'	MOVE.B	\$0033 (33)	
1452	ØØ1268:	6CØ8			11.1	BGE.S	*+\$000A • 00001272	
1453	ØØ126A:	1F3C	øøø1		'.<'	MOVE.B	#\$ØØØ1(A7)	
1454	ØØ126E:	4EBA	EE4A		'NJ'	JSR	*-\$11B4 ; ØØØØØØBA	
1455	ØØ1272:	4267			'Bg'	CLR.W	-(A7)	
1456	001274:	2FØ6			'/.'	MOVE.L	D6,-(A7)	
145/	001276:	21.14	~~~		!/·' .	MOVE.L	(A4),-(A7)	
1450	001276:	22.20	EEEC		:/,	MOVE.L	\$ØØØ4 (A4) , - (A7)	
1460	001270	AFDA	FAGE		137	MOVE.L	\$FFFC(A6), - (A7)	
1461	ØØ1284:	3DSF	FFD6		N	MOUT W	*-\$6566 ; \$6666675	
1462	ØØ1288:	4A2B	ØØ33		'J∓.3'	TST B	(A/) T, SEEDG (AG)	
1463	ØØ128C:	6CØ6	2200		11.	BGE S	*+\$00008 • 000001204	
1464	ØØ128E:	4267			'Ba'	CLR.W	- (A7)	
1465	ØØ129Ø:	4EBA	EE28		'N('	JSR	*-\$11D6 : @@@@@@BA	
1466	ØØ1294:	3D6E	FFD6	øøøc	'=n'	MOVE.W	\$FFD6(A6), \$ØØØC(A6)	
1467	ØØ129A:	4A6E	FFD6		'Jn'	TST.W	\$FFD6 (A6)	
1468	ØØ129E:	6F1C			10.1	BLE.S	*+\$ØØ1E ; ØØØØ12BC	
1469	ØØ12AØ:	2F14	B05 5		'/·'	MOVE.L	(A4),-(A7)	
1470	0012A2:	4EBA	FC5C		'N\'	JSR	*-\$Ø3A2 ; ØØØØØFØØ	
1472	COLZAD:	21 ZE	rrrØ		'/'	MOVE.L	\$FFFØ(A6),-(A7)	
1472	0012AA:	2044			' D'	MOVE.L	D4, AØ	
1474	0012AC:	VEDY VEDY	ברת		'/.'	MOVE.L	(AØ), - (A7)	
1475	ØØ12B2:	20147	EDIZ		1 G!	MOVE T	~-\$128C ; ØØØØØØ22	
1476	ØØ12B4:	42A8	ØØØ4		'B'	CLD L	SOCOL (DO)	
1477	ØØ12B8:	6ØØØ	Ø25C		15	BRA	*+\$025E • 00001516	
1478	ØØ12BC:	ØCAC	øøøø	26ØØ	١٤.١	CMPI.L	#\$ØØØØ26ØØ.\$ØØ22(A4)	
1479	ØØ12C2:	ØØ22			1.71			
1480	ØØ12C4:	5FCØ			' .'	SLE	DØ	
1481	ØØ12C6:	ØCAC	ØØØØ	753Ø	'uø'	CMPI.L	#\$ØØØØ753Ø,\$ØØ22(A4)	
1482	ØØ12CC:	ØØ22			1.81			
1483	ØØ12CE:	5EC1			1^.1	SGT	D1	
1484	0012D0:	8001			· · · · · ·	OR.B	D1,DØ	
1486	001202:	4220	<i>aa</i> 1 2		'g.'	BEQ.S	*+\$ØØØ8 ; ØØØØ12DA	
1487	ØØ12D8:	6036	DUIJ		1,61	DDA C	\$2013 (A4) *±\$2039	
1488	ØØ12DA:	2Ø6E	FFF8		' n '	MOVE I.	**************************************	
1489	ØØ12DE:	2Ø2C	ØØ22		, , , , ,	MOVE.L	\$ØØ22 (A4) . DØ	
1490	ØØ12E2:	9ØA8	øøø8			SUB.L	\$ØØØ8 (AØ) . DØ	
1491	ØØ12E6:	2Ø6E	FFF8		' n'	MOVE.L	\$FFF8(A6), AØ	
1492	ØØ12EA:	214ø	ØØØ4		'!@'	MOVE.L	DØ,\$ØØØ4 (AØ)	
1493	ØØ12EE:	4A2C	ØØ13		'J,'	TST.B	\$ØØ13(A4)	
1494	ØØ12F2:	6716	<b></b>		'g.'	BEQ.S	*+\$ØØ18 ; ØØØØ13ØA	
1495	0012F4:	422C	8 @@@	<b>~~</b>	'B,'	CLR.B	\$ØØØ8 (A4)	
1496	0012F8:	197C	6665 6665	ØØ13	'-1'	MOVE.B	#\$ØØØ2,\$ØØ13(A4)	
1497 1498	ØØ12FE:	420E	0014	0012	' n'	MOVE.L	\$FFF8 (A6) , AØ	
1499	ØØ13Ø8:	6006	WW14	MOTZ	1.1	MOVE.B		
	ØØ13ØA:	1970	ggg1	ØØ1 3	·.i	BRA.S MOVE.B	*+\$ØØØ8 ; ØØØØ131Ø #\$ØØØ1,\$ØØ13(A4)	
1501	ØØ131Ø:	6000	Ø2Ø4	~~13	*****	BRA	*+\$Ø2Ø6 ; ØØØØ1516	
	ØØ1314:				' (G'	MOVE.L	D7, A4	
	ØØ1316:		ØØØ4		1,,	MOVE.L	\$ØØØ4 (A4), D6	
	ØØ131A:				' F'	MOVE.L	D6, AØ	
1505	ØØ131C:	2F1Ø			1/.1	MOVE.L	(AØ), - (A7)	
	ØØ131E:				'N'	JSR	*-\$Ø41E ; ØØØØØFØØ	
				Ø2ØØ	' (<'	MOVE.L	#\$ØØØØØ2ØØ,D4	•
	ØØ1328:		ØØØ4		'/,'	MOVE.L	\$ØØØ4 (A4) , - (A7)	
	ØØ132C:				' D'	MOVE.L	D4,AØ	
	ØØ132E:		D0E~		'/.'	MOVE.L	(AØ), - (A7)	
1511	ØØ133Ø: ØØ1334:	4EBA	ECF.0		'N'	JSR	*-\$13ØE ; ØØØØØØ22	
					'B'	CLR.L	\$ØØØ4 (A4)	
	ØØ1338: ØØ133C:				'Bn'	CLR.W	\$ØØØC (A6)	
	ØØ134Ø:		MID 0		'`' '(G'	BRA MOVE I	*+\$Ø1DA ; ØØØØ1516	
	ØØ1342:	2050	ଉଷସଦ		' 1.>'	MOVE L	D7, A4	
	ØØ1346:				1.5	MOVE.L MOVE.B	\$ØØ3E(A4), AØ \$ØØ18(AØ) DØ	
	ØØ134A:		~~10		'H.'	EXT.W	\$ØØ18(AØ),DØ DØ	
	ØØ134C:	3D4Ø	FFD2		'-0'	MOVE.W	DØ, \$FFD2 (A6)	
							, , , _ , _ , _ ,	
1520	ØØ135Ø:	ØC 6E	øøø2	FFD2	'.n'	CMPI.W	#\$ØØØ2,\$FFD2(A6)	

			IID.Lisa De	VICE DITVEIS.S I S I E	EMI.CD_PROFILE	Page
1521	ØØ1356:	6612	'f.'	BNE.S	### ### ### ### ### ### ### ### ### ##	
1522	ØØ1358:	486E FFE4	'Hn'	PEA	\$FFE4 (A6)	
1523	ØØ135C:	2FØ7	'/.'	MOVE.L	D7, - (A7)	
1524	ØØ135E:	4EBA FBEØ	'N'	JSR	*-\$Ø41E : ØØØØØF4Ø	
1525	ØØ1362:	3D6E FFE4	ØØØC '=n'	MOVE.W	SFFE4 (A6) . SØØØC (A6)	
1526	ØØ1368:	6Ø4A	'`J'	BRA.S	*+\$004C • 000013B4	
1527	ØØ136A:	2C2C ØØØ4	1,,,,	MOVE. I.	\$0004 (A4) D6	
1528	ØØ136E:	2646	'AF'	MOVE I	DE 33	
1529	ØØ137Ø:	2Ø6C ØØ3A	1 1	MOVE I	\$00,83 \$0023 (3.4) 3.0	
1530	ØØ1374:	2768 ØØ12	ada ''h	MOVE I	\$003A (A4), A0 \$0012 (A0), \$000A (A3) #\$01, D0 \$FFD2 (A6), D0 D0, \$000A (A3)	
1531	ØØ137A:	7øø1	'D. '	MOVEO	#EGI DG (AB), SBBBA (AS)	
1532	ØØ137C:	9Ø6E FFD2	, ,	CIID M	PORT, DR	
1533	ØØ138Ø:	174Ø ØØØA		MOVE B	Pa taga (22)	
1534	ØØ1384:	426B ØØ14	' Rb '	MOVE.B	Caal A(32)	
1535	ØØ1388:	2FØ7	1771	MOVE T	P7 (27)	
1536	ØØ138A:	4EBA EDAA	'N '	MOVE.L	D1,-(A1)	
1537	ØØ138E:	3D6B 001 A	adac I-k	USK MOUTH M	*-\$1254 ; 00000136	
1538	001394	43 6B 001A	DEEC -K	MOVE.W	\$001A(A3),\$000C(A6)	
1539	001394.	671X	JR	TST.W	\$ØØ1A(A3)	
1540	001390.	OCED MAM	g.	BEQ.S	*+\$ØØ1C ; ØØØØ13B4	
1541	00133A:	MCOB MANT	001A .k	CMPI.W	#\$0001,\$001A (A3)	
1542	WAT 2 MAG:	2770 000	I.'	BNE.S	*+\$ØØØA ; ØØØØ13AA	
1542	OWIJAZ:	311C 0064	0020 '7 .d. '	MOVE.W	#\$ØØ64,\$ØØ2Ø (A3)	
1544	WULJAB:	ANGO	• • •	BRA.S	*+\$ØØØC ; ØØØØ13B4	
1545	WWIJAA:	21107	'/.'	MOVE.L	D7,-(A7)	
1545	WWIJAC:	JEZB ØØ1A	'?+'	MOVE.W	\$ØØ1A(A3),-(A7)	
1546	ØØ13BØ:	4EBA ECA8	'N'	JSR	*-\$1356 : ØØØØØØ5A	
1547	ØØ13B4:	6000 Ø160	1``!	BRA	*+\$Ø162 : ØØØØ1516	
1548	ØØ13B8:	2847	' (G'	MOVE.L	D7.A4	
1549	ØØ13BA:	2C2C ØØØ4	',,,.,'	MOVE.L	\$ØØØ4 (A4) . D6	
1550	ØØ13BE:	2646	'&F'	MOVE.L	D6.A3	
1551	ØØ13CØ:	3D6B ØØ1A	ØØØC '=k'	MOVE.W	\$001 A (A3) . \$000C (A6)	
1552	ØØ13C6:	4AAB ØØ16	'J'	ጥፍጥ ፣.	\$8816 (A3) , \$8880 (A0)	
1553	ØØ13CA:	671A	'a. '	BEOS	*+\$001C	
1554	ØØ13CC:	ØC6B Ø28E	gg1a 'k'	CMDI W	#\$000F \$0013 (30)	
1555	ØØ13D2:	57CØ	'W '	SEO.	TOUCOE, SUNTA (NO)	
1556	ØØ13D4:	OCER EDE	0011 A ' k i '	SEQ CMDT N	FCED CO Agg13 (3.0)	
1557	0013DA:	5701	IW I	CMP1.W	#\$EU69,\$00IA (A3)	
1558	9913DC:	9001	77.	SEQ	DI	
1559	MAI 3DE	6706		OR.B	D1, DØ	
1560	001306.	2760 0016	g.	BEQ.S	*+\$0008 ; 000013E6	
1561	001356.	2700 0010	661C	MOVE.L	\$0016(A3),\$001C(A3)	
1562	001350:	2507	12:	MOVE.L	D7, - (A7)	
1562	0013E8:	312B 001A	'?+'	MOVE.W	\$ØØ1A(A3),-(A7)	
1564	MOISEC:	4EBA EC6C	'N1'	JSR	*-\$1392 ; ØØØØØØ5A	
1204	9913F9:	6000 0124	'` <b>\$</b> '	BRA	*+\$Ø126 ; ØØØØ1516	
1262	0013F4:	3D7C Ø2AD	ØØØC '= '	MOVE.W	#\$Ø2AD,\$ØØØC(A6)	
1266	ØØ13FA:	6000 011A	'` <b></b> '	BRA	*+\$Ø11C ; ØØØØ1516	
1567	ØØ13FE:	2Ø45	' E'	MOVE.L	D5,AØ	
1568	ØØ14ØØ:	2D68 ØØØ6	FFE8 '-h'	MOVE.L	\$0006 (A0) . SFFE8 (A6)	
1569	ØØ14Ø6:	2Ø47	' G'	MOVE. L	D7.AØ	
1570	ØØ14Ø8:	2C28 ØØØ4	1, (	MOVE. I.	\$0004 (A0) D6	
1571	ØØ14ØC:	2847	' (Ġ'	MOVE. T.	D7.A4	
1572	ØØ14ØE:	266E FFE8	'&n'	MOVE.L	\$FFE8 (A6) , A3	
1573	ØØ1412:	ØC53 ØØØ2	'.s'	CMPI.W	#\$ØØØ2, (A3)	
1574	ØØ1416:	67ØA	'q.'	BEQ.S	*+\$ØØØC ; ØØØØ1422	
1575	ØØ1418:	3D7C Ø291	ØØØC '= '	MOVE.W	*+\$ØØØC ; ØØØØ1422 #\$Ø291,\$ØØØC(A6)	
1576	ØØ141E	6ØØØ ØØA8	'`'			
1577		426E ØØØC	'Bn'	BRA	*+\$ØØAA ; ØØØØ14C8	
		3F2C ØØ38		CLR.W	\$ØØØC (A6)	
		486E FFE6	'?,.8'	MOVE.W	\$ØØ38 (A4), - (A7)	
1500	001 40D	APPA PAGE	'Hn'	PEA	SFFE6 (A6)	
1501	00142E:	4EBA EC5A		JSR	*-\$13A4 ; ØØØØØØ8A	
1507 1301	001432:	3Ø2B ØØØ2	'Ø+'	MOVE.W	\$ØØØ2 (A3) , DØ	
1282	<b>ии1436</b> :	Ø44Ø ØØØF	' • 0 • • '	SUBI.W	#\$ØØØF,DØ	
1283	ØØ143A:	6 / ØA	'g.'	BEQ.S	*+\$ØØØC ; ØØØØ1446	
	ØØ143C:		'[@'	SUBQ.W	#\$5,DØ	
	ØØ143E:		'g.'	BEQ.S	*+\$ØØ18 ; ØØØØ1456	
	ØØ144Ø:		'Ś@'	SUBQ.W	#\$1,DØ	
	ØØ1442:	675Ø	'gP'	BEQ.S	*+\$ØØ52 ; ØØØØ1494	
1588			' ₹ <u>+</u> '	BRA.S	*+\$ØØ76 ; ØØØØ14BA	
			' Ĕ'	MOVE.L	D6, AØ	
1590	001448	2768 0010	ØØØ4 ''h'	MOVE.L		
1591	0014AF	2760 8810	ØØØ8 ''1'		\$ØØ1C(AØ),\$ØØØ4(A3)	
1502	ØØ1454:	EUC ANTC		MOVE.L	\$ØØ1C(A4),\$ØØØ8(A3)	
1502	WW1434:	TOTAL	'`à'	BRA.S	*+\$ØØ6C ; ØØØØ14CØ	
	ØØ1456:		'p.'	MOVEQ	#\$Ø4,DØ	
1594		2740 0004	'.'@'	MOVE.L	DØ, \$ØØØ4 (A3)	
1595		42AB ØØØ8	'B'	CLR.L	\$ØØØ8 (A3)	
1596	aas aca.	2770 0000	Ø3E7 '' '	MOVE.L	#\$ØØØØØ3E7,\$ØØØC(A3)	

```
5/28/91 12:53 PM
                             HD:Lisa Device Drivers:SYSTEM.CD_PROFILE
                                                                                           Page 22
 1597
       ØØ1466: ØØØC
                              'B...'
 1598
      ØØ1468:
              42AB ØØ1Ø
                                                CLR.L
                                                         $ØØ1Ø(A3)
 1599
      ØØ146C:
              7ØØ1
                                                MOVEQ
                                                         #$Ø1,DØ
                                                         DØ, $ØØ14 (A3)
1600
       ØØ146E: 274Ø
                                               MOVE.L
 1601
       ØØ1472: 2Ø46
                              · F
                                                MOVE.L
                                                         D6,AØ
                              '.(,...'
 1602
       ØØ1474: ØC28 ØØØA ØØØF
                                               CMPI.B
                                                         #$ØØØA,$ØØØF (AØ)
 1603
      ØØ147A: 5FCØ
                              SLE
                                                         DØ
      ØØ147C: 44ØØ
 1604
                                                NEG.B
                                                         DØ
 1605
      ØØ147E: 488Ø
                              'H.'
                                                EXT.W
                              'H.'
 1606
      ØØ148Ø: 48CØ
                                                EXT.L
 1607
      ØØ1482: 274Ø ØØ18
                                               MOVE.L
                                                         DØ. SØØ18 (A3)
                              '.,'..'
      ØØ1486: 1Ø2C ØØ16
 1608
                                               MOVE.B
                                                         $ØØ16(A4),DØ
 1609
       ØØ148A: 488Ø
                                               EXT.W
                                                         DØ
                              'H.'
                                               EXT.L
 1610
      ØØ148C: 48CØ
                                                         DØ
                              ;;;e;··
      ØØ148E: 274Ø ØØ1C
 1611
                                               MOVE.L
                                                         DØ, $ØØ1C(A3)
      ØØ1492: 6Ø2C
 1612
                                               BRA.S
                                                         *+$ØØ2E
                                                                        ; ØØØØ14CØ
 1613
      ØØ1494: 4AAB ØØØ8
                                               TST.L
                                                         $ØØØ8 (A3)
      ØØ1498: 66ØA
 1614
                              'f.'
                                               BNE.S
                                                         *+$ØØØC
                              'F'
 1615
      ØØ149A: 2Ø46
                                               MOVE.L
                                                         D6,AØ
      ØØ149C: 117C ØØØB ØØØF '.|...'
ØØ14A2: 6ØØ8
 1616
                                               MOVE.B
                                                         #$ØØØB,$ØØØF (AØ)
 1617
                                                         *+$ØØØA ; ØØØØ14AC
                                               BRA.S
      ØØ14A4: 2Ø46
                                               MOVE.L
 1618
                                                         D6,AØ
                             '.i...'
'J....'
'V.'
                                              MOVE.B
 1619
       ØØ14A6: 117C ØØØ3 ØØØF
                                                         #$ØØØ3,$ØØØF (AØ)
      ØØ14AC: 4AAB ØØØC
 1620
                                                         $ØØØC (A3)
 1621
      ØØ14BØ: 56CØ
                                               SNE
                                                         DØ
                              'D.'
 1622
      ØØ14B2: 44ØØ
                                               NEG.B
      ØØ14B4: 194Ø ØØ16
 1623
                                               MOVE.B
                                                         DØ,$ØØ16(A4)
 1624
      ØØ14B8: 6ØØ6
                              11.1
                                               BRA.S
                                                         *+$ØØØ8
                                                                         ; ØØØØ14CØ
       ØØ14BA: 3D7C Ø291 ØØØC '=|....'
 1625
                                                         #$Ø291,$ØØØC (A6)
                                               MOVE.W
                                                         $FFE6(A6),-(A7)
*-$1432 ; ØØØØØØ92
                                              MOVE.W
JSR
 1626
      ØØ14CØ: 3F2E FFE6
                             1?...
 1627
       ØØ14C4: 4EBA EBCC
                              'N...'
                                              BRA.S
 1628
      ØØ14C8: 6Ø4C
                              '`L'
                                                                        ; ØØØØ1516
                                                         *+$ØØ4E
                              'Bn..'
 1629
      ØØ14CA: 426E FFE4
                                                         $FFE4 (A6)
                                               CLR.W
      ØØ14CE: 2Ø47
 1630
                              ' G'
                                               MOVE.L
                                                         D7,AØ
 1631
      ØØ14DØ: 2C28 ØØØ4
                              ', (..'
                                               MOVE.L
                                                         $ØØØ4 (AØ), D6
                              ' F'
 1632
      ØØ14D4: 2Ø46
                                               MOVE.L
                                                         D6,AØ
 1633
      ØØ14D6: ØC28 ØØØ2 ØØ13 '.(....'
                                                         #$ØØØ2,$ØØ13(AØ)
                                               CMPI.B
                                                                  ; ØØØØ14EE
 1634
       ØØ14DC: 661Ø
                             'f.'
                                              BNE.S
                                                         *+$ØØ12
                                              PEA
MOVE.W
       ØØ14DE: 486E FFE4
 1635
                              'Hn..'
                                                         SFFE4 (A6)
 1636
      ØØ14E2: 3F3C ØØØ2
                              '?<..'
                                                         #$ØØØ2,-(A7)
 1637
      ØØ14E6: 2Ø45
                              ' E'
                              ./.
                                                MOVE.L
                                                         D5,AØ
 1638
      ØØ14E8: 2F1Ø
                                                         (AØ),-(A7)
                                               MOVE.L
 1639
      ØØ14EA: 4EBA FACC
                              'N...'
                                                                        ; ØØØØØFB8
                                                         *-$Ø532
                                                JSR
      ØØ14EE: 4A6E FFE4
 1640
                              'Jn..'
                                                TST.W
                                                         $FFE4(A6)
                                              BGT.S
 1641
      ØØ14F2: 6EØ6
                              'n.'
                                                         *+$ØØØ8
 1642
      ØØ14F4: 3D7C FD54 FFE4 '=|.T..'
                                                         #$FD54, $FFE4 (A6)
                                               MOVE.W
       ØØ14FA: 3D6E FFE4 ØØØC '=n....'
 1643
                                               MOVE.W
                                                         $FFE4 (A6), $ØØØC (A6)
                              1
                                                                     ; ØØØØ1516
 1644
      ØØ15ØØ: 6Ø14
                                               BRA.S
PEA
                                                         *+$ØØ16 ·
 1645
      ØØ15Ø2: 486E FFE4
                              'Hn..'
                                                         $FFE4 (A6)
                              . E.
      ØØ15Ø6: 2Ø45
                                              MOVE.L
MOVE.L
 1646
                                                         D5,AØ
                                                         (AØ) , - (A7)
 1647
      ØØ15Ø8: 2F1Ø
      ØØ15ØA: 2FØ5
 1648
                                              MOVE.L
                                                         D5,-(A7)
                                             JSR
MOVE.W
MOVEM.L
                              'N...'
 1649
      ØØ15ØC: 4EBA EBEC
                                                         *-$1412
                                                                         ; ØØØØØØFA
 1650
      ØØ151Ø: 3D6E FFE4 ØØØC '=n....'
                                                         $FFE4 (A6), $ØØØC (A6)
                          'L...'
                                                         (A7)+,D4-D7/A3/A4
 1651
       ØØ1516: 4CDF 18FØ
 1652
      ØØ151A: 4E5E
                                               UNLK
                                                         A6
 1653
      ØØ151C: 2E9F
                              1...
                                               MOVE.L
                                                         (A7) +, (A7)
      ØØ151E: 4E75
 1654
                              'Nu'
                                               RTS
                              '.R'
                                                         (A2), DØ
 1655
      ØØ152Ø: DØ52
                                               ADD.W
 1656
      ØØ1522: 4F44
                              'OD'
                                               TRAP
                                                         #$4
 1657
       ØØ1524: 5249
                              'RI'
                                               ADDQ.W
                                                         #$1,A1
 1658
      ØØ1526: 5645
                                               ADDQ.W
                              'VE'
                                                         #$3.D5
                              '..Nu'
 1659
      ØØ1528: ØØØØ 4E75
                                                         #$4E75,DØ
 1660
      ØØ152C: 4E75
                              'Nu'
                                               RTS
      ØØ152E: 4A6F FF9C
                              'Jo..'
 1661
                                                TST.W
                                                         $FF9C(A7)
 1662
      ØØ1532: 4E75
                              'Nu'
                                               RTS
 1663
 1664
      EndBlock: CSize: ØØ152C
 1665
 1666
      EOF_Mark:
 1667
 1668
       *******************************
 1669
 1670
 1671
 1672
```